

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NW NW Section 9, T9S, R16E 673.6' FNL & 667.9' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

From Myton, Utah, approximately 18 miles Northeast

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

5,900'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5,756.2'

22. APPROX. DATE WORK WILL START\*

March 15, 1996

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see attached Drilling Program/Casing Design for details.				

Operator proposes to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached. As operator, we hereby request that the status of this well be held tight in accordance with Federal and State regulations.

**SELF CERTIFICATION:** I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT) COPY: Utah Division of Oil, Gas, & Mining

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Molly Conrad*

TITLE

Operations Secretary

DATE

2-22-96

(This space for Federal or State office use)

PERMIT NO.

43-013-31618

APPROVAL DATE

APPROVED BY

*B. Matthews*

TITLE

*Petroleum Engineer*

DATE

3/14/96

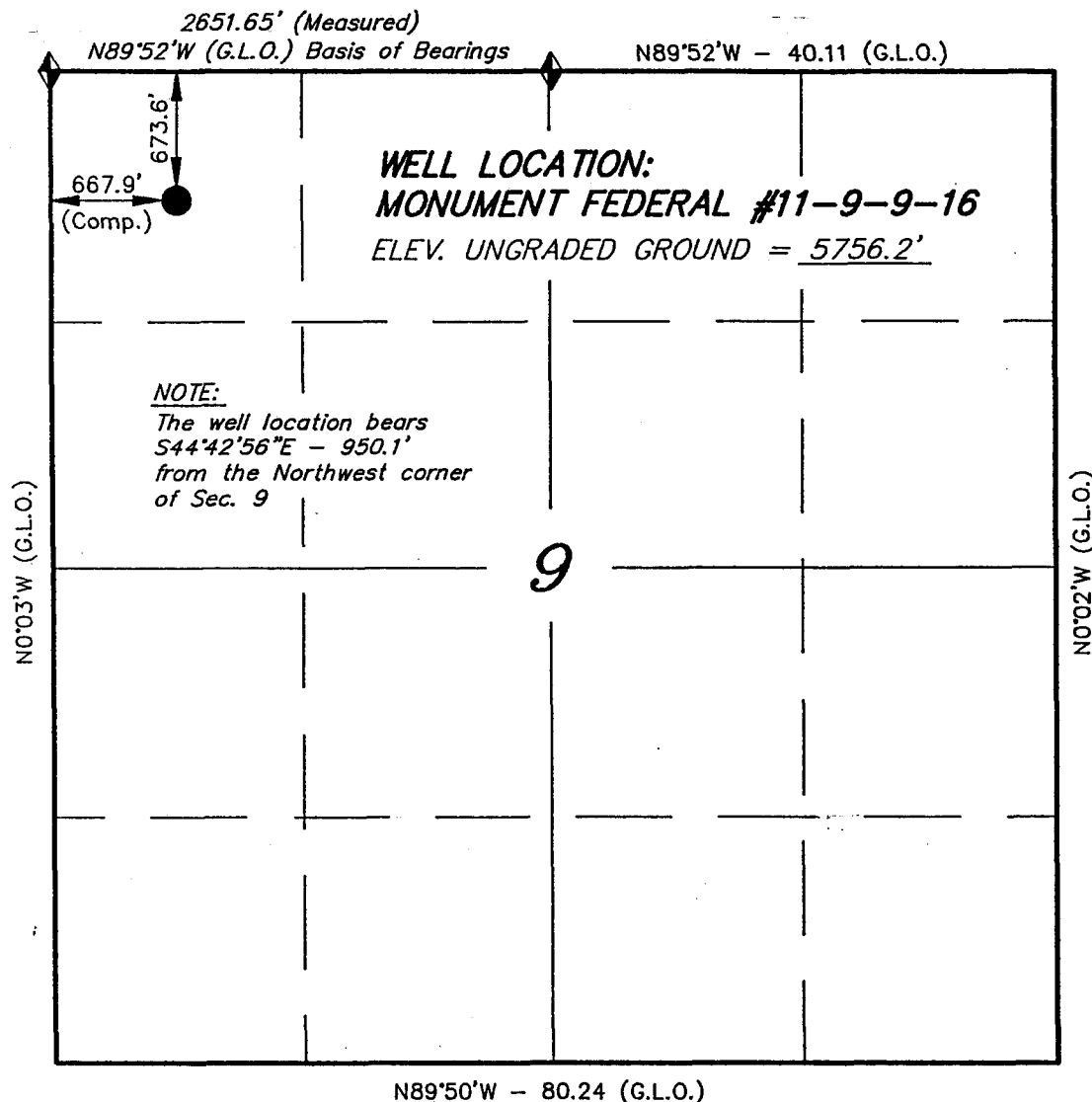
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

**T9S, R16E, S.L.B.&M.**

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, MONUMENT FEDERAL #11-9-9-16, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 9, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES AND ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

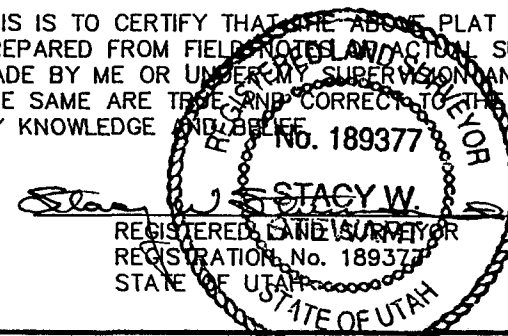


EXHIBIT K

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S.
DATE: 2-14-96	WEATHER: COOL
NOTES:	FILE #

**CONFIDENTIAL**

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF  
THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD  
ALLOWED BY FEDERAL AND STATE REGULATIONS.**

**Equitable Resources Energy Company  
Balcron Oil Division  
1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860**

## EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

6/19/95



PROPOSED DRILLING PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Monument Federal #11-9-9-16  
NW NW Section 9, T9S, R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.

- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

**Multi-Point Surface Use and Operations Plan**

EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON OIL DIVISION  
BALCRON MONUMENT FEDERAL #11-9-9-16  
NW NW SECTION 9, T9S, R16E  
DUCHESNE COUNTY, UTAH

**1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)**

- A. The proposed well site is staked and four reference stakes are present. 150' & 200' South and 200' & 250' West.
- B. The Monument Federal #11-9-9-16 is located 10 miles Southwest of Myton Utah in the NW1/4 NW1/4 Section 9, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 11-9-9-16, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 10.1 miles to a road intersection, turn right and continue 2.9 miles to road intersection. Turn right and proceed 2.9 miles to an intersection with a jeep trail. Continue along jeep trail 0.6 mile to proposed access road sign. Follow flags 0.1 mile to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

**2. Planned Access Roads: Refer to Map "B"**

Approximately 0.1 mile of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - none.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts

will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. If a right-of-way is required please consider this APD the application for said right-of-way.

**3. Location of Existing Wells Within a One-Mile Radius:**

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

**4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:**

**A. Existing**

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

**B. New Facilities Contemplated**

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout is included in this APD.
- 3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having

a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

## **5. Location and Type of Water Supply**

- A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the

beginning of drilling operations.

- B. No water well will be drilled on this location.

#### **6. Source of Construction Materials**

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.

- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.

- D. There are no trees on this location.

#### **7. Methods of Handling Waste Materials:**

- A. Cuttings - the cuttings will be deposited in the reserve pit.

- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with Onshore Order #7, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

**8. Ancillary Facilities:**

None anticipated.

**9. Wellsite Layout:**



- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be on the North side of location. Access will be from the West near corner #3.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A completion rig will be moved onto location for completion operations after drilling operations have been completed and the drilling rig has been moved off location.
- D. A diagram showing the proposed production facility layout is included in this APD.
- E. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- F. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
  - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
  - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the

fencing will be maintained until the pit is backfilled.

- G. Any hydrocarbons on the pit will be removed from the pit as soon as possible after completion operations are completed.

#### **10. Plans for Reclamation of the Surface:**

The B.L.M. will be contacted prior to commencement of any reclamation operations.

##### **A. Production**

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours.

During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 15 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

#### B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
  - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.
2. All disturbed surfaces will be recontoured to the

approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.

#### **11. Surface Ownership:**

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

#### **12. Other Information:**

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 13 miles Southwest of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
  - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
  - 2. There are no occupied dwellings in the immediate area
  - 3. An archaeological report will be forwarded upon completion.
  - 4. There are no reported restrictions or reservations noted on the oil and gas lease.
  - 5. A silt catchment dam will not be required for this location.

**13. Lessee's or Operator's Representative:**

Equitable Resources Energy Company, Balcron Oil Division  
1601 Lewis Avenue  
Billings, MT 59102  
(8:00 a.m. to 5:00 p.m.)  
(406) 259-7860  
FAX: (406) 245-1361

Dave McCoskery, Director of Operations and Engineering  
Home: (406) 248-3864  
Mobile: (406) 698-3732

Dale Griffin, Operations Supervisor  
Home: (801) 781-1018  
Mobile: (801) 828-7291

**14. CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Equitable Resources Energy Company's Balcron Oil Division and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

2-22-96  
DATE

Molly Conrad  
Molly Conrad  
Operations Secretary  
Equitable Resources Energy Company  
Balcron Oil Division

## EXHIBIT C

[illegible]

<b>Logs</b>	<b>Cores</b>		
DLL FROM SURF CSG TO TD	Core #1 NONE	Fax #	hm.
LDT/CNL FROM 3800' TO TD	Core #2		
	Core #3	<b>Mud Logger/Hot Wire</b>	
	Core #4	<b>Company:</b>	
		<b>Required:</b> (Yes/No) YES	

<b>Report To:</b>	1st Name: <u>DAVE BICKERSTAFF</u>	Phone #	<u>(406)259-7860</u>	wk.	<u>245-2261</u>	hm.
	2nd Name: <u>KEVEN REINSCHMIDT</u>	Phone #	<u>"</u>	wk.	<u>248-7026</u>	hm.
<b>Prepared By:</b>	<u>K.K. REINSCHMIDT</u>		<u>2/20/96</u>	Phone #	<u>wk.</u>	<u>hm.</u>



EQUITABLE RESOURCES  
ENERGY COMPANY  
BALCRON OIL DIVISION

EXHIBIT D  
Page 1 of 2

**DRILLING PROGRAM**

WELL NAME: Monument Federal #11-9-9-16  
PROSPECT/FIELD: Wells Draw  
LOCATION: NE NE Section 8 Twn.9S Rge.16E  
COUNTY: Duchesne  
STATE: Utah

DATE: 2-21-96

TOTAL DEPTH: 5900'

**HOLE SIZE      INTERVAL**

12 1/4"	Surface to 260'
7 7/8"	260' to 5900'

CASING	INTERVAL	CASING
STRING TYPE	FROM      TO	SIZE      WEIGHT      GRADE
Surface Casing	0'      260'	8 5/8"      24      J55
Production Casing	0'      5900'	5 1/2"      15.50      K55

**CEMENT PROGRAM**

Surface Casing	150 sacks class "G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surface.)
Production Casing	250 sacks Thrifty Lite and 400 sacks 50-50 Poz. (Actual cement volumes will be calculated from caliper log with cement top at 2000')

**PRELIMINARY DRILLING FLUID PROGRAM**

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0'	260'	N.A.	N.A.	N.A.
Air/Air Mist/KCl wtr	260'	T.D.	8.7-8.9	N.A.	N.A.

**COMMENTS**

1.) No cores or tests are planned for this well.



Operator: BALCRON OIL	Well Name: Monument fed. 11-9
Project ID:	Location: Duchesne Utah

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2107 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	5,900	5-1/2"	15.50	K-55	ST&C	5,900	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Load (kips)	Tension Strgth (kips)	S.F.
1	2697	4040	1.498	2697	4810	1.78	91.45	222	2.43 J

Prepared by : McCoskery, Billings, MT

Date : 02-21-1996

Remarks :

Minimum segment length for the 5,900 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and  
2,697 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)

EXHIBIT "E"

- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

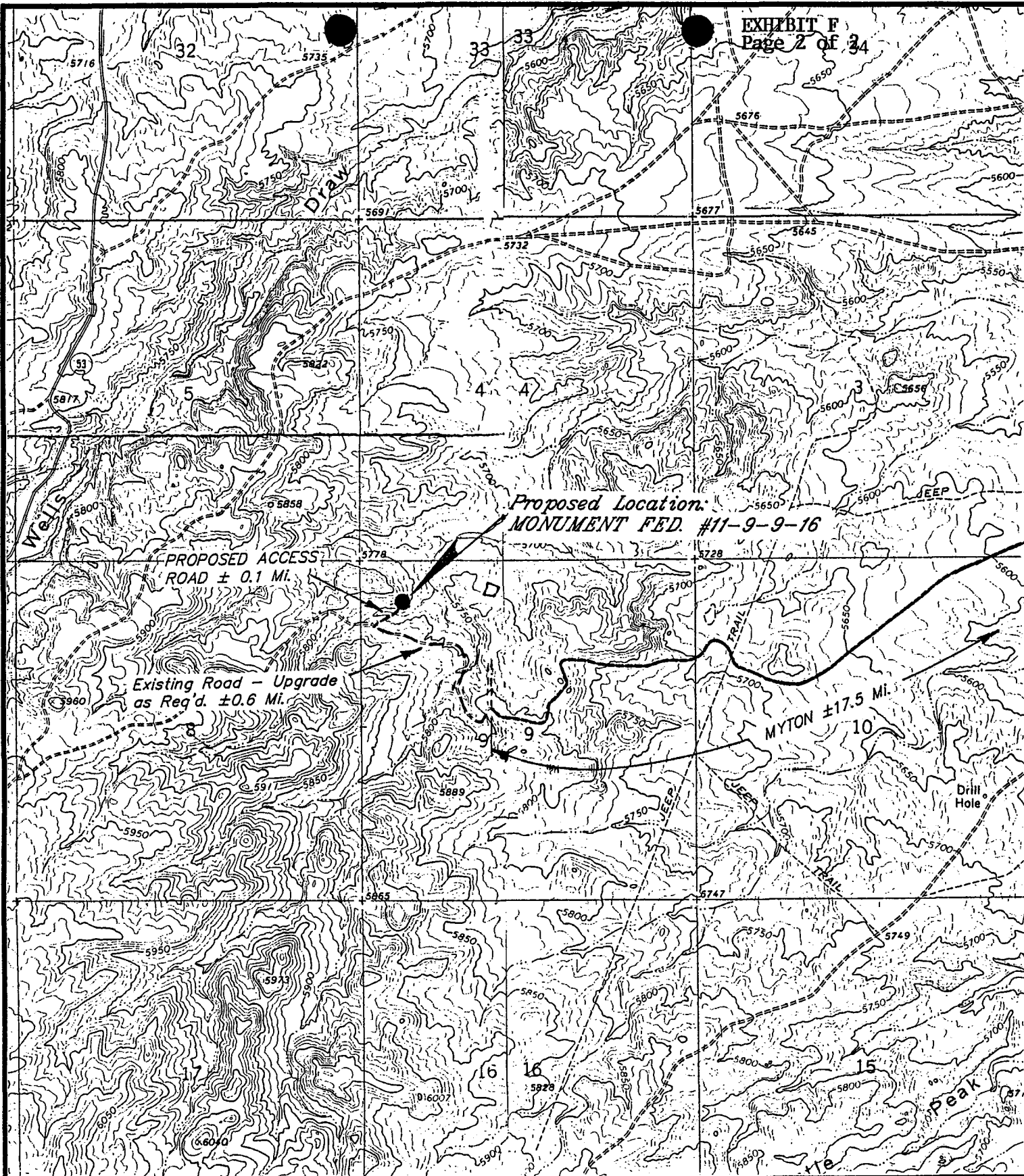
We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

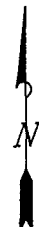
3/28/95  
/rs





**EQUITABLE RESOURCES CO.**

MONUMENT FED. #11-9-9-16  
SEC. 9, T9S, R16E, S.L.B.&M.  
TOPO "B"



SCALE: 1" = 2000'

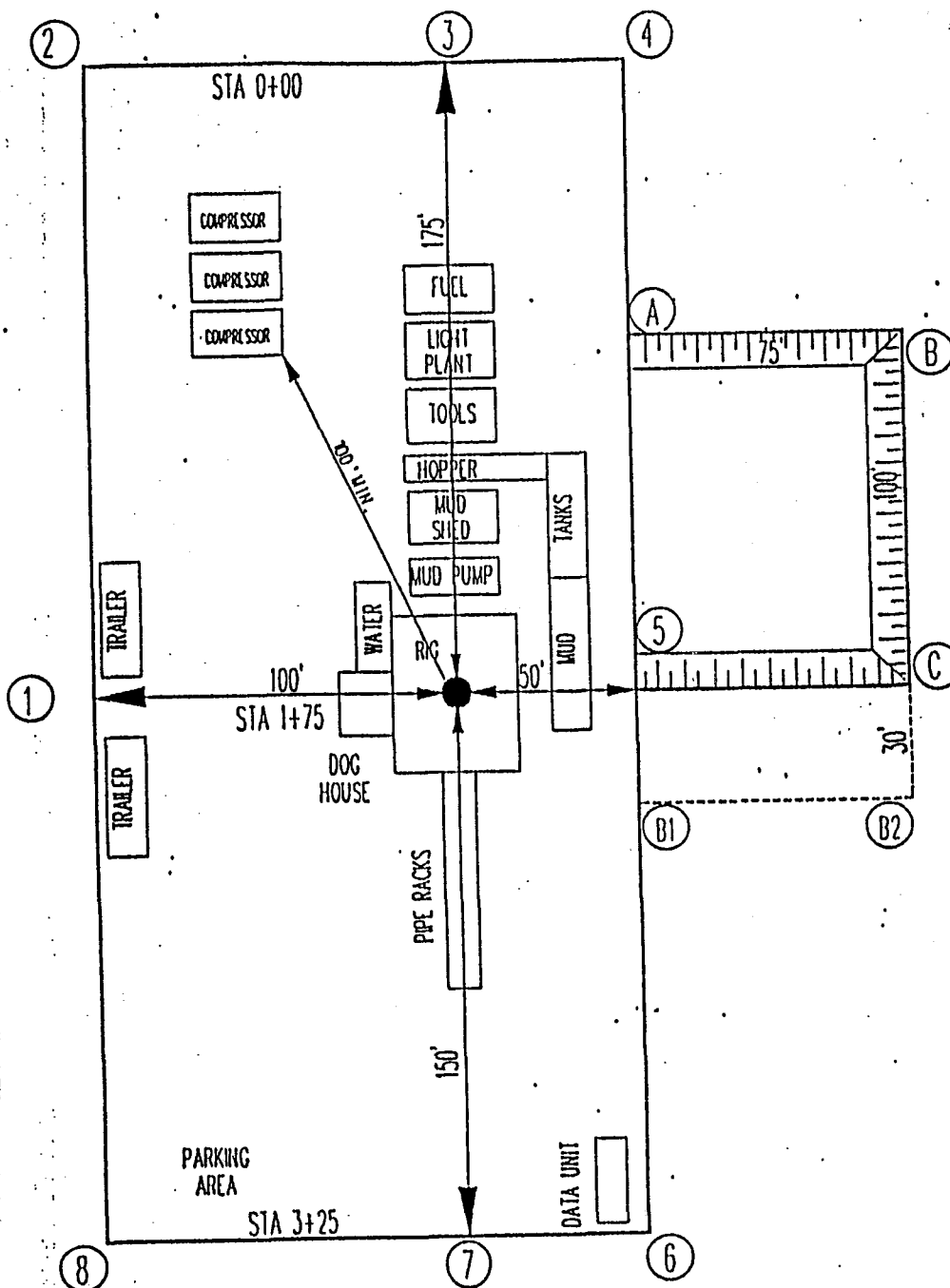
**Tri State**  
Land Surveying, Inc.

(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

# EQUITABLE RESOURCES ENERGY CO.

## WELLSITE LAYOUT



**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERMILION, UTAH 84078  
801-781-2501

BIT "H"

UNION DRILLING RIG #17

Hex Kelly

ROTATING HEAD

ADJ. CHOKE

AIR BOWL

7" FLOWLINE

#3000  
BLIND RM. PIPE RM.

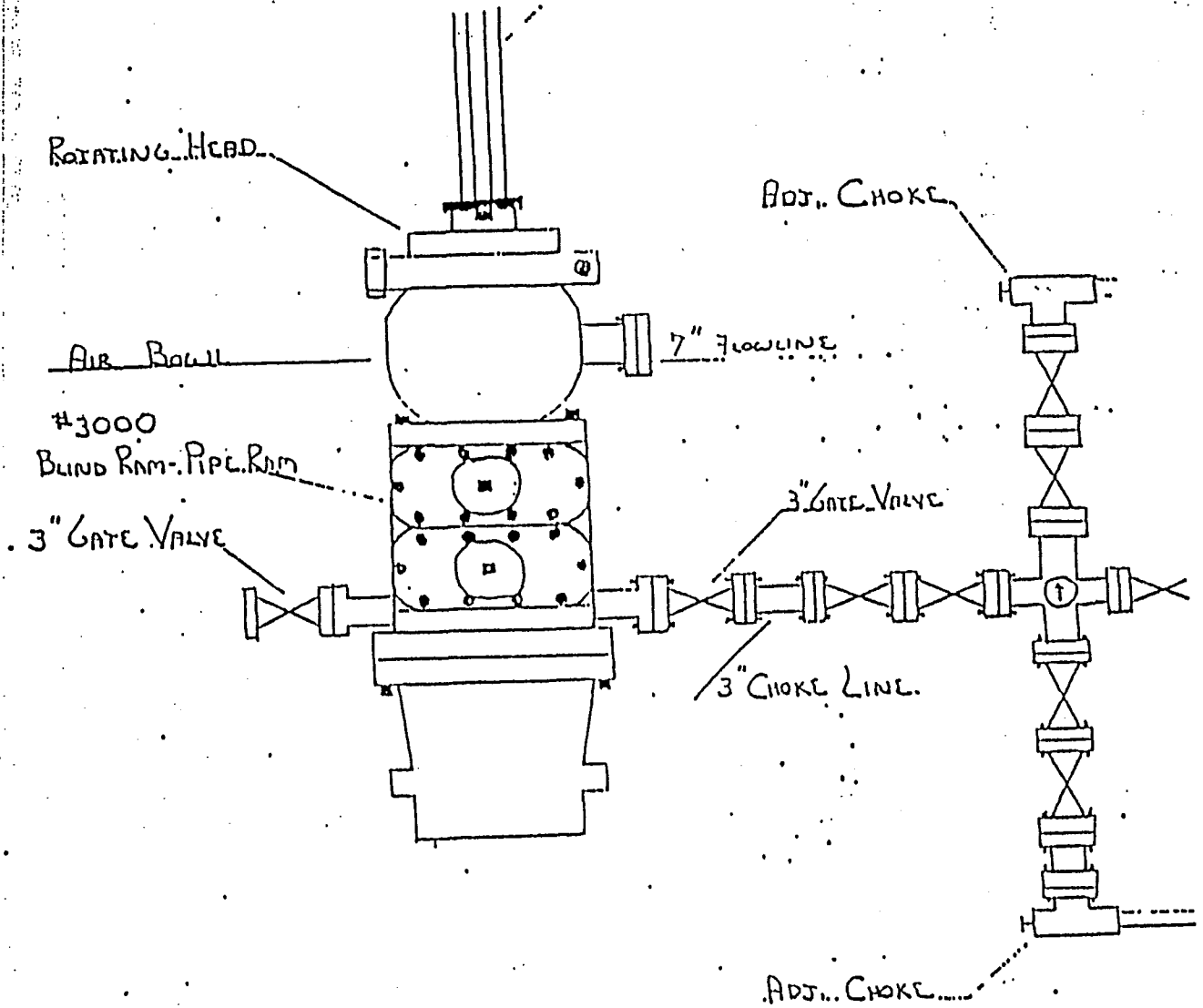
3" GATE VALVE

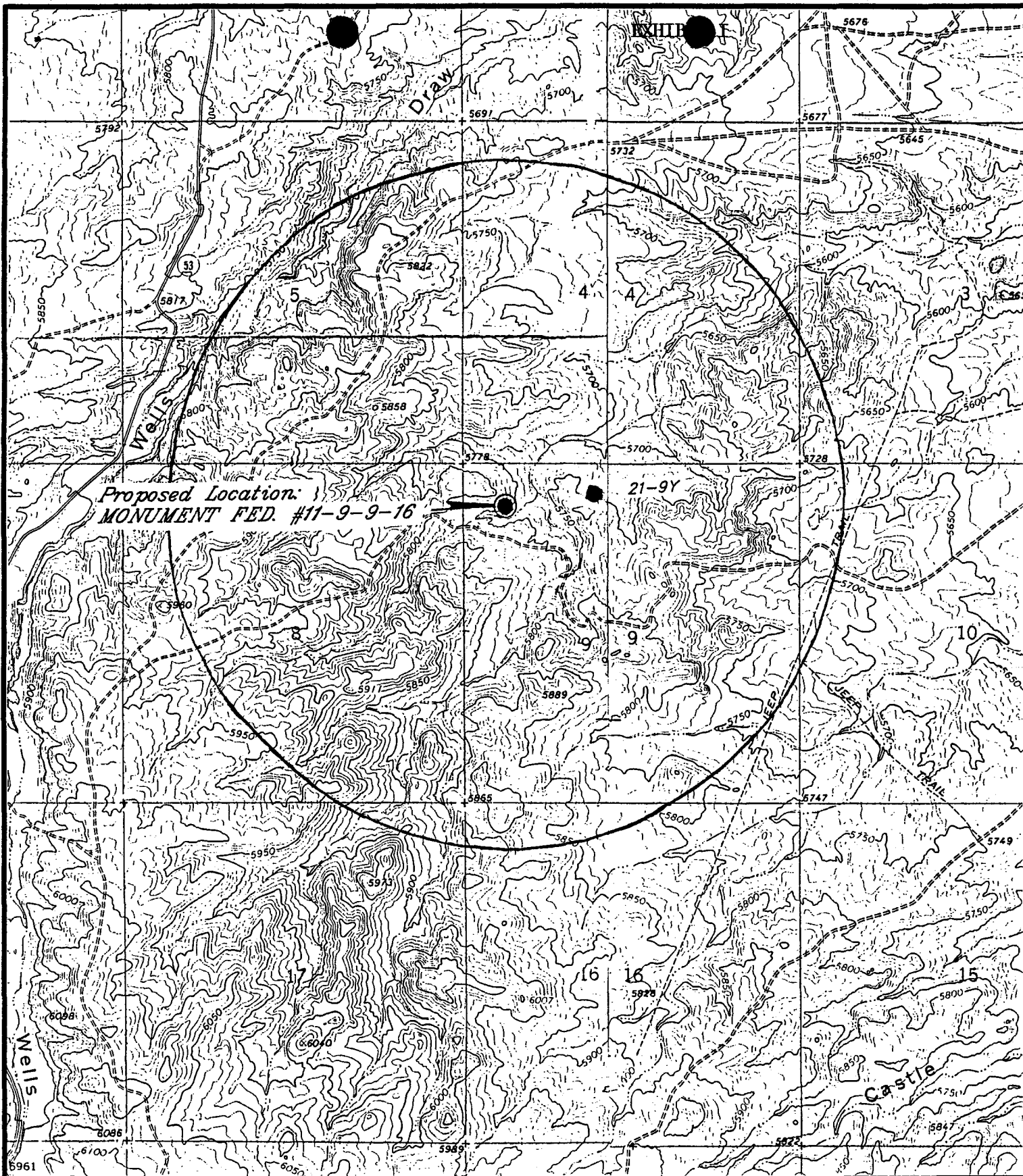
3" GATE VALVE

3" CHOKE LINE

ADJ. CHOKE

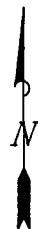
#3000 STACK





**EQUITABLE RESOURCES CO.**

MONUMENT FED. #11-9-9-16  
SEC. 9, T9S, R16E, S.L.B.&M.  
TOPO "C"



**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

# PROPOSED PRODUCTION FACILITY DIAGRAM

EXHIBIT "J"

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIKE

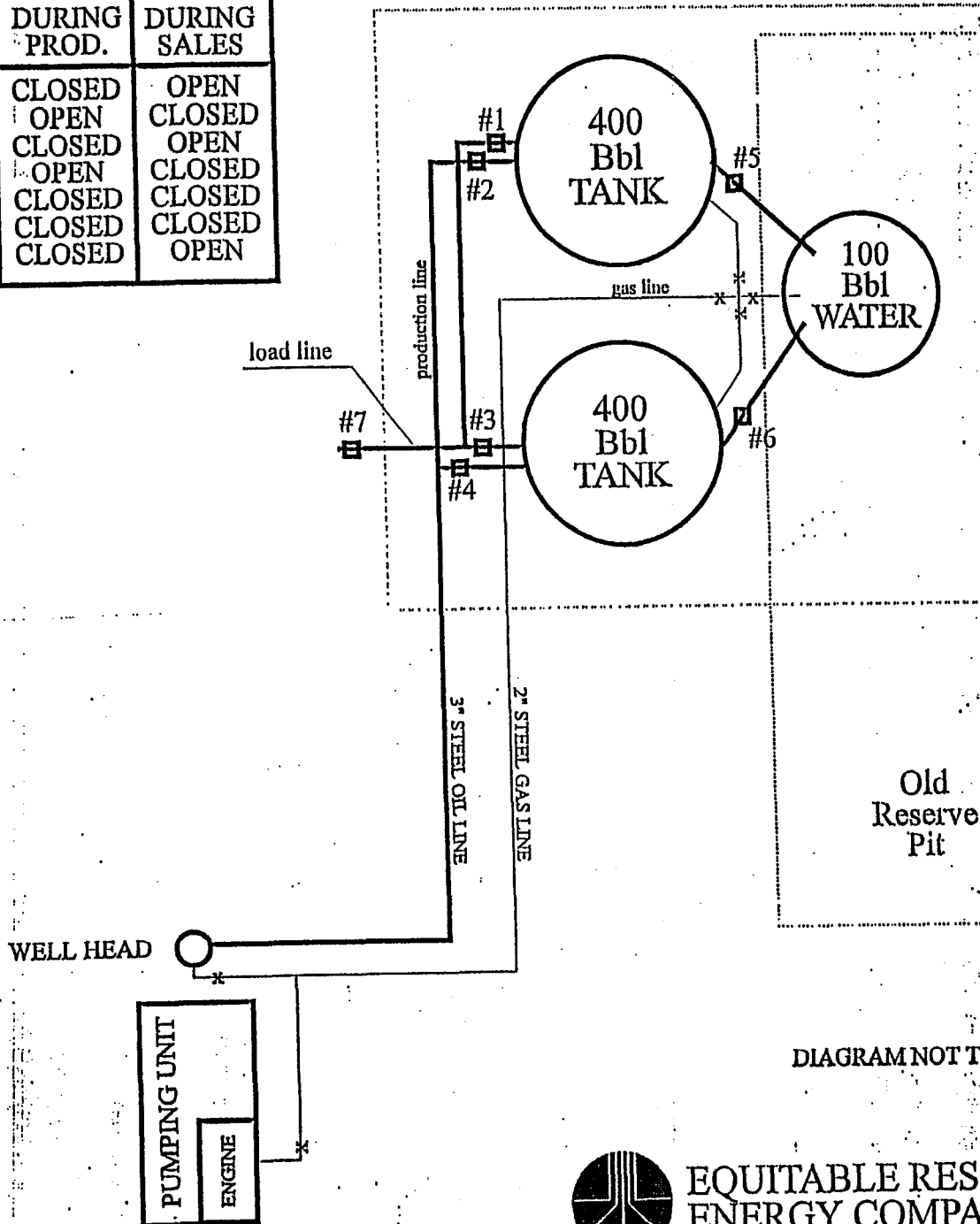


DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES  
ENERGY COMPANY**

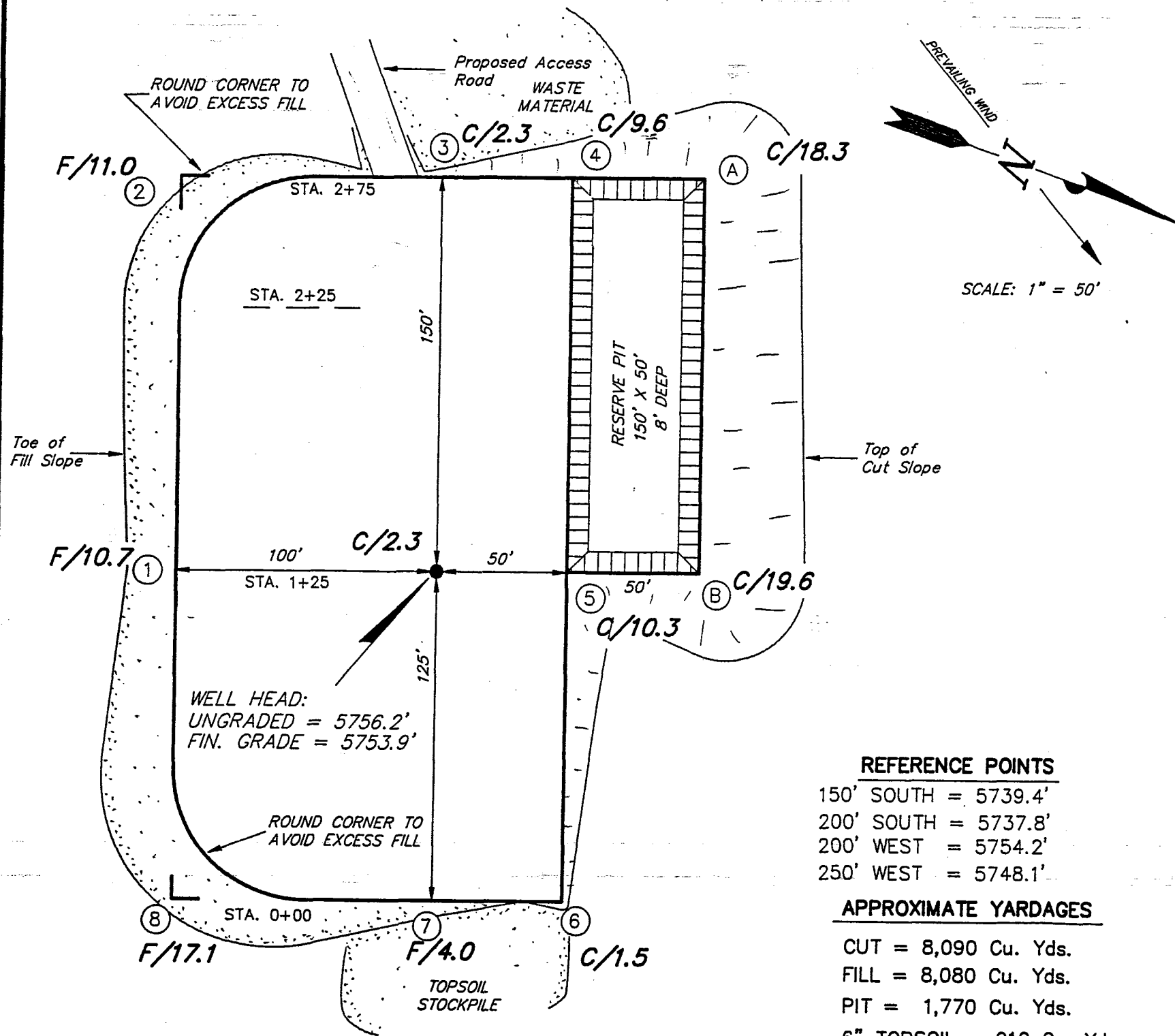
BALCRON OIL DIVISION

1601 Lewis Avenue  
Billings, MT 59104-2  
(406) 259-7860



*EQUITABLE RESOURCES ENERGY CO.*

*MONUMENT FEDERAL #11-9-9-16*  
*SEC. 9, T9S, R16E, S.L.B.&M.*

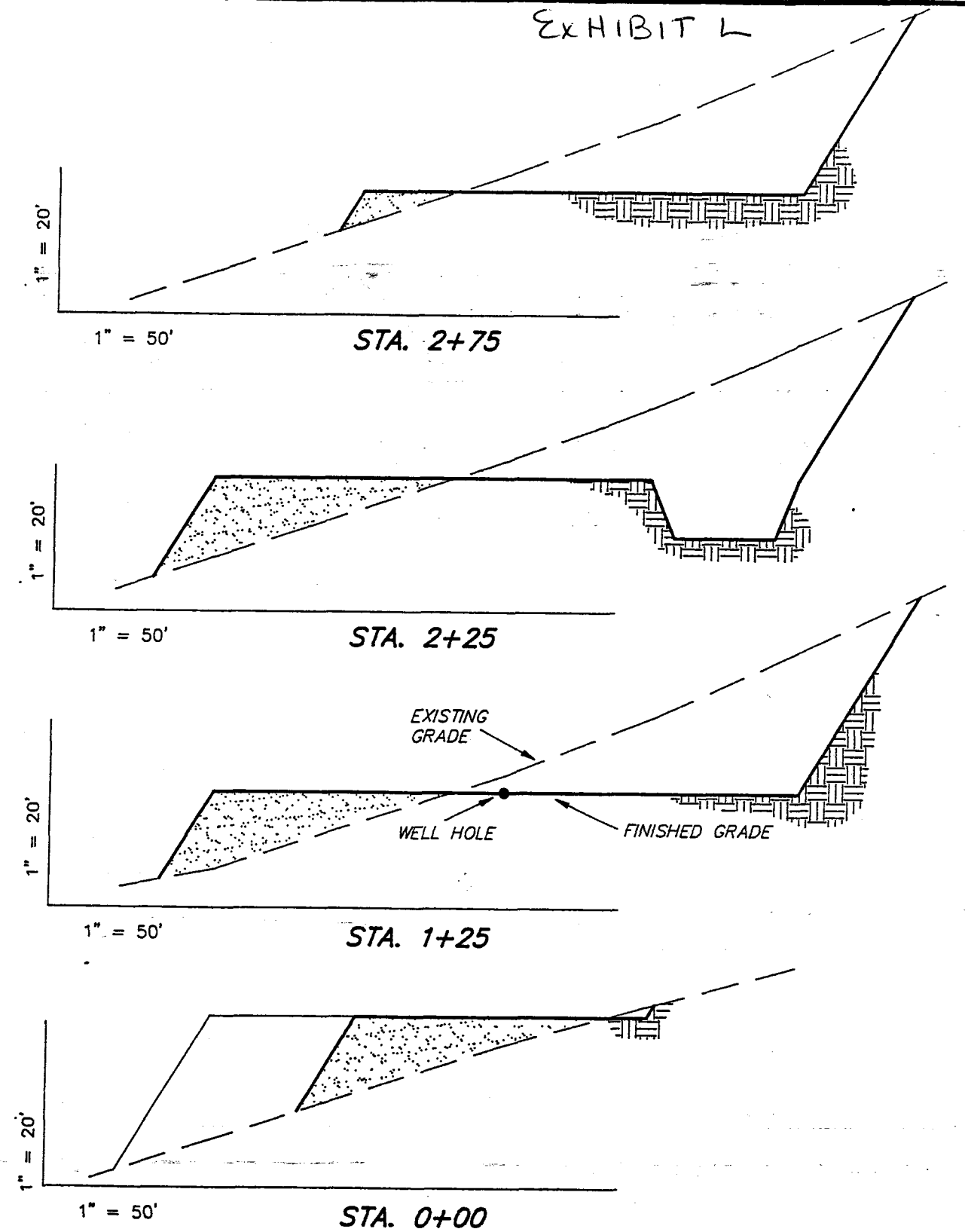


## REFERENCE POINTS

150' SOUTH = 5739.4'  
200' SOUTH = 5737.8'  
200' WEST = 5754.2'  
250' WEST = 5748.1'

### APPROXIMATE YARDAGES

CUT = 8,090 Cu. Yds.  
FILL = 8,080 Cu. Yds.  
PIT = 1,770 Cu. Yds.  
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S.

*DRAWN BY: J.R.S.*

DATE: 2-14-96

SCALE: 1" = 50'

**FILE:**

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

EQUITABLE RESOURCES CO.

BALCRON OIL

MONUMENT BUTTE FEDERAL #11-9-9-16

NW/NW SECTION 9, T9S, R16E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078

FEBRUARY 18, 1996

RESULTS OF PALEONTOLOGY SURVEY AT EQUITABLE RESOURCES CO. BALCRON OIL MONUMENT  
BUTTE FEDERAL #11-9-9-16, NW/NW Section 9, T9S, R16E, S.L.B.&M, Duchesne Co.,  
Utah.

Description of Geology and Topography-

This well location is 10 miles south and 4 miles west of Myton, Utah, one mile east of Wells Draw. It sits at the southeast end of a small east trending ridge. Slope is to the south. The access road comes in from the southwest from an existing road. Lower Uinta Formation is exposed throughout the immediate area with a thin layer of slope wash here and there. The Uinta Formation here consists of hard platy maroon and red mudstone, and some layers of sandstone.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

Paleontological material found -

Some layers of sandstones exposed above (north) the wellpad may have a potential for fossil plant impressions as in similar sites near here. However, nothing of significance was found during the survey.

No vertebrate fossils were found on this location.

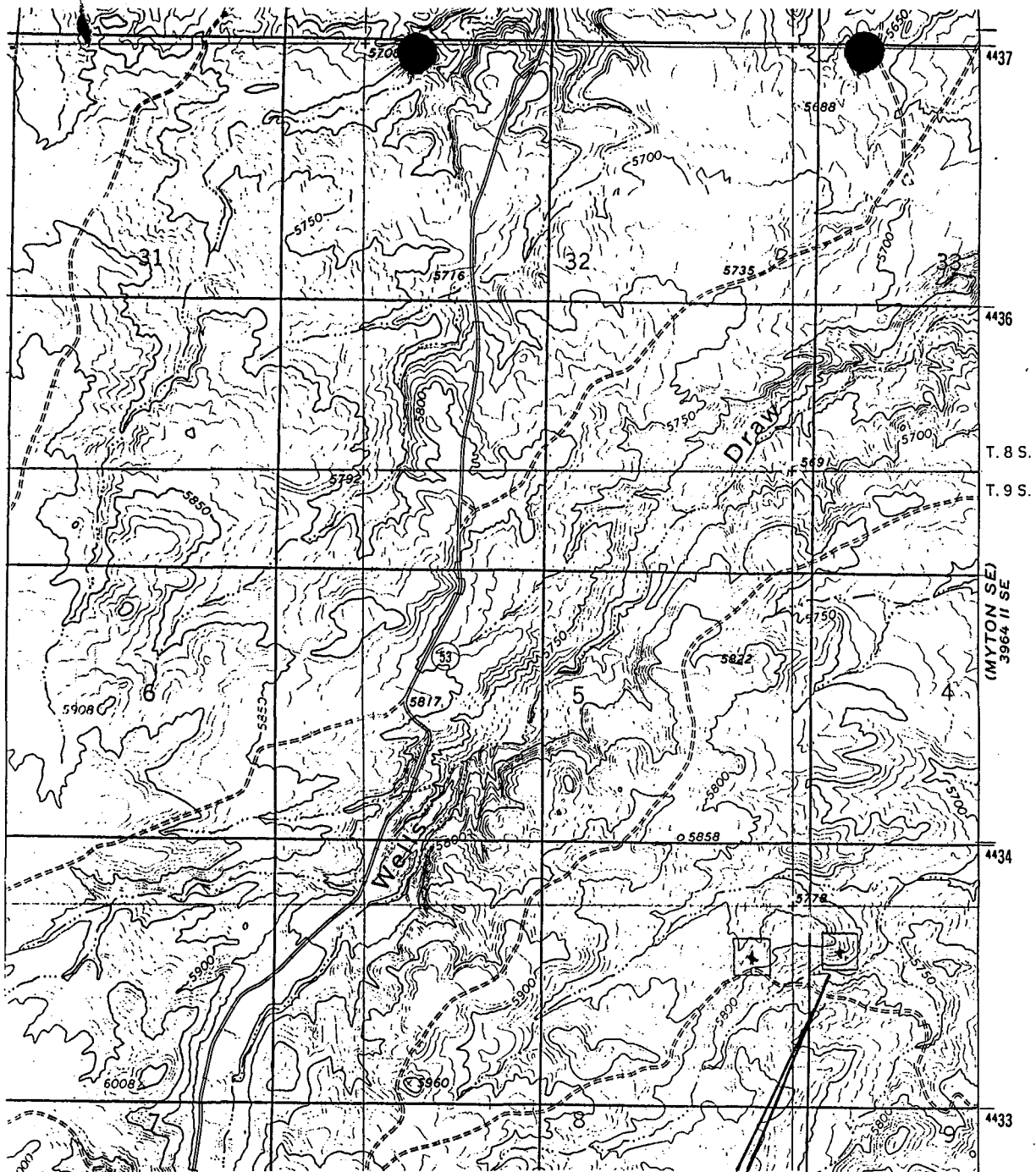
Recommendations-

There is always some potential for encountering significant fossils when working in the Uinta Formation. The survey indicates that the potential is not high for vertebrate fossils at this particular spot. Some potential exists for plant fossils, but they are not as critical as vertebrate fossils. If important looking fossil material is found during construction, a paleontologist should be called to evaluate it.

No other recommendations are being made for paleontology at this location.

William H. Hamblin  
Paleontologist

Date February 18, 1996



BALCORN OIL MONUMENT BUTTE FED. 11-9-9-16  
NW/NW SEC 9,9S,16E DUCHESNE CO. UTAH

MYTON SW  
QUADRANGLE

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/23/96

API NO. ASSIGNED: 43-013-31618

WELL NAME: MONUMENT FEDERAL 11-9-9-16  
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:

NWNW 09 - T09S - R16E  
SURFACE: 0673-FNL-0668-FWL  
BOTTOM: 0673-FNL-0668-FWL  
DUCHESNE COUNTY  
CASTLE PEAK FIELD (075)

LEASE TYPE: FED  
LEASE NUMBER: U - 020254

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
(Number 5547198)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number TRUCKED BY DALE ANDERSON)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

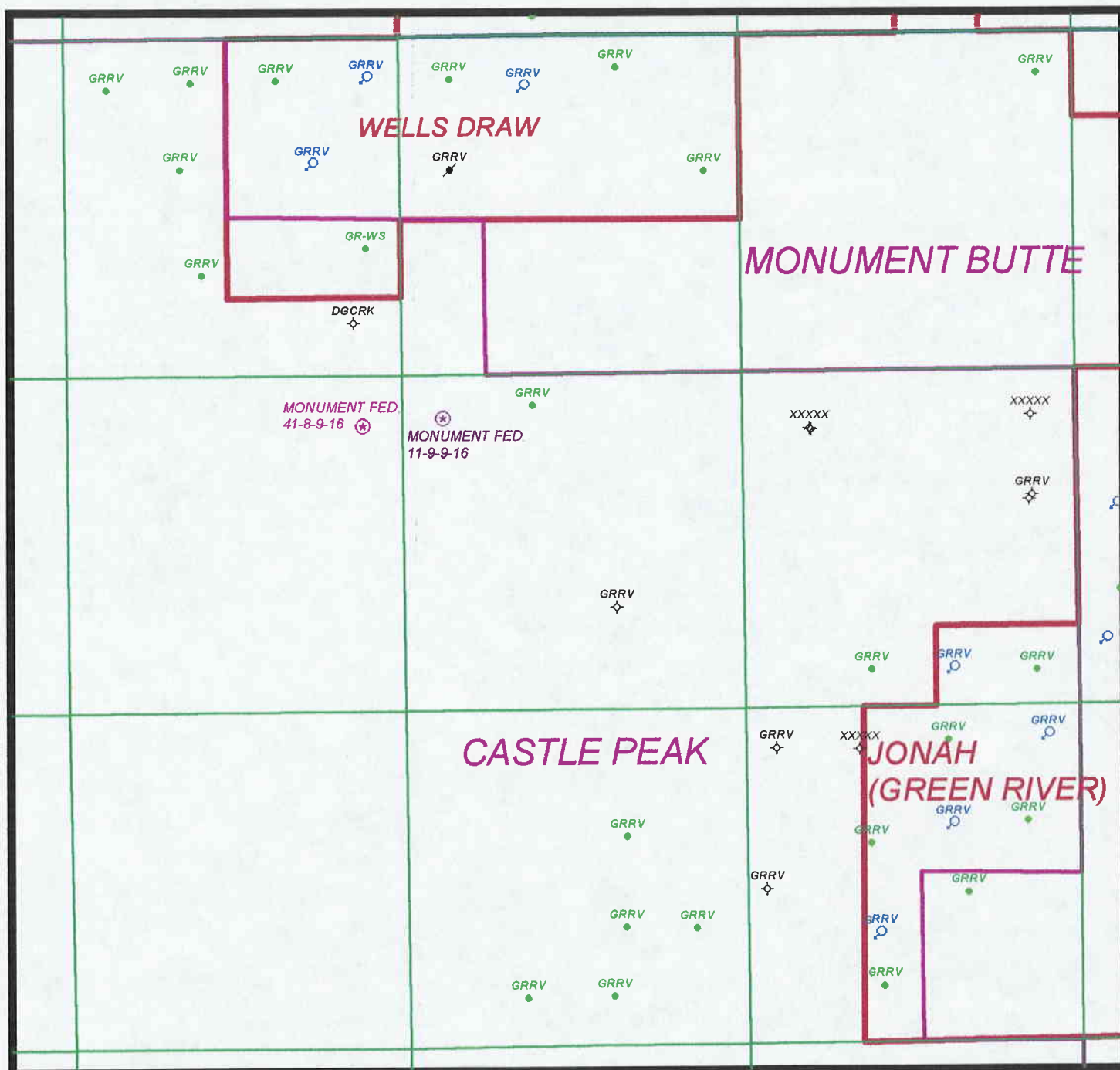
LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
☒ R649-3-2. General.  
\_\_\_ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_ Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# EQUITABLE RESOURCES DEVELOPMENT DRILLING SEC. 8 & 9, T9S, R16E, DUCHESNE, COUNTY R649-3-2



**STATE SPACING  
UAC R649-3-2**

**PREPARED:  
DATE: 26-FEB-96**

EQUITABLE RESOURCES

MF# 11-9-9-16

SEC 9; T9S; R16E

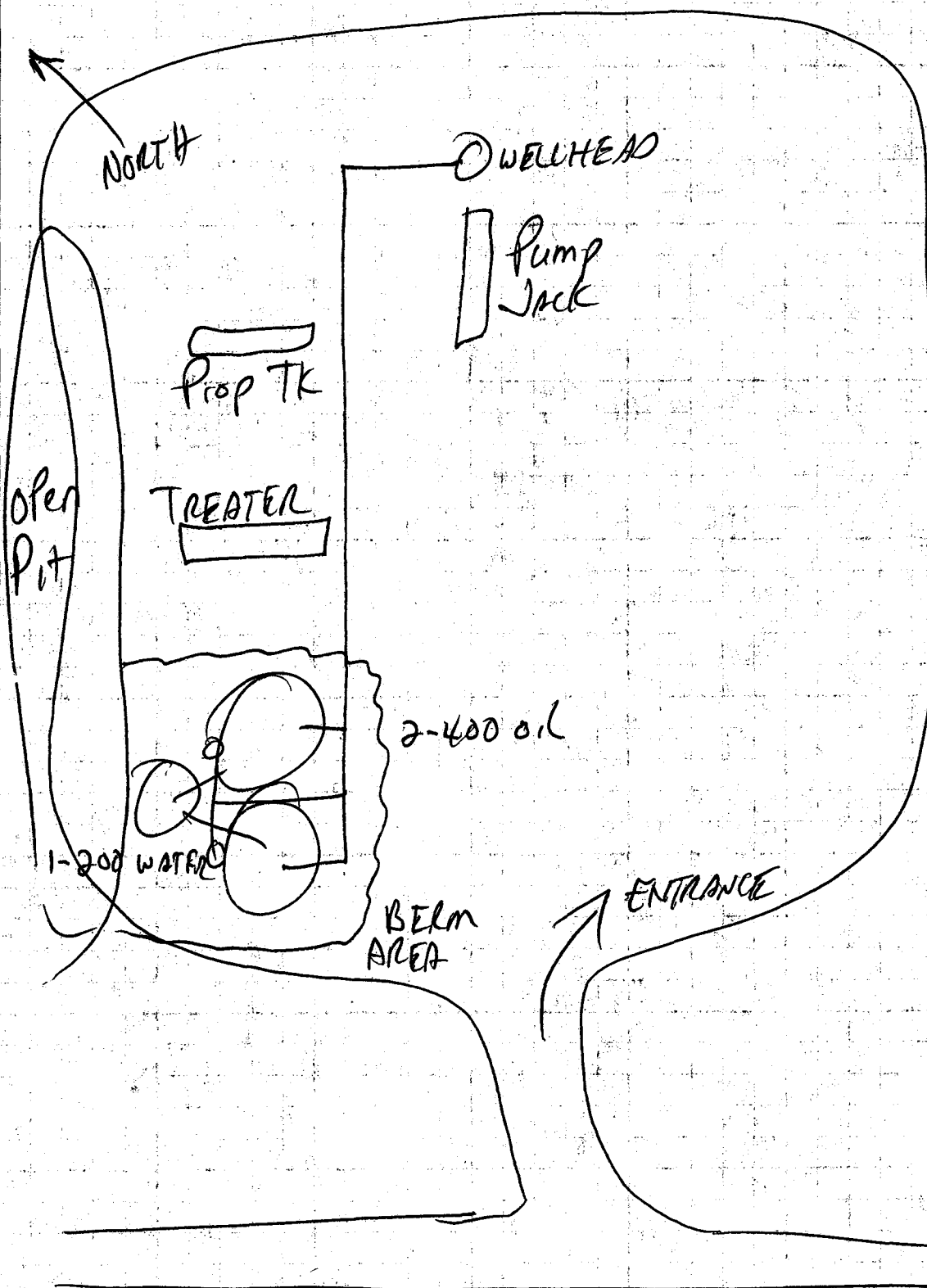
POW 43-013-31618

4-020254

5/13/96

JHL

22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NW NW Section 9, T9S, R16E 673.6' FNL & 667.9' FWL

At proposed prod. zone

43-012-31618

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

From Myton, Utah, approximately 18 miles Northeast

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

5,900'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5,756.2'

22. APPROX. DATE WORK WILL START\*

March 15, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see attached Drilling Program/Casing Design for details.				RECEIVED
				FEB 23 1996

Operator proposes to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached. As operator, we hereby request that the status of this well be held tight in accordance with Federal and State regulations.

**SELF CERTIFICATION:** I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT) COPY: Utah Division of Oil, Gas, & Mining

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Molly Conrad

TITLE

Operations Secretary

DATE

2-22-96

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

ASSISTANT DISTRICT  
MANAGER MINERALS

APPROVED BY

TITLE

DATE

MAR 14 1996

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

NOTICE OF APPROVAL

\*See Instructions On Reverse Side



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal 11-9-9-16

API Number: 43-013-31618

Lease Number: U - 020254

Location: NWNW Sec. 9 T. 9S R. 16E

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

### CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

#### A. DRILLING PROGRAM

##### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

##### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal Field Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at 1,521 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal Field Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm$  1321 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal Field Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077  
Petroleum Engineer

Wayne P. Bankert (801) 789-4170  
Petroleum Engineer

Jerry Kenczka (801) 789-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

### **SURFACE USE PROGRAM**

Conditions of Approval (COAs)

Equitable Resources Energy Company - Well #11-9-9-16

#### METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL

The reserve pit shall be lined with a synthetic liner that is a minimum of 12 mil thickness with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

#### PLANS FOR RECLAMATION OF LOCATION

When reclaiming the reserve pit, the pit liner will be torn and perforated before backfilling the reserve pit and the torn liner will be buried a minimum of four (4) feet deep. If this is a producing well and after the reclamation of the reserve pit and unused disturbed areas contact the authorized office to obtain a seed mixture to revegetate the areas.

At time of final abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to **blend all cuts, fills, road berms, and borrow ditches to be natural in appearance** with the surrounding terrain. After recontouring of the area any stockpiled topsoil will be spread over the surface, and the area reseeded and revegetated to the satisfaction of the authorized officer of the BLM. Contact the authorized officer of the BLM at the time of reclamation for the required seed mixture.

#### OTHER INFORMATION

The operator or their contractor shall contact the BLM office at (801)789-1362, 48 hours prior to construction activities.

#### **MOUNTAIN PLOVERS & BURROWING OWLS**

No surface disturbing activities, construction, or drilling operations including the initial completion activities are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect the nesting Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this restriction may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

An example of an exception: could be to contact the authorized officer of the BLM to coordinate additional surveys for mountain plover & burrowing owl. The notification will be required a minimum of 14 days prior to surface disturbance to allow time to conduct a wildlife survey. If an active nest or chicks are found, the proposed activity will be delayed until the chicks are out of downy plumage or the brood vacates the area.





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

March 14, 1996

Equitable Resources Energy  
1601 Lewis Avenue  
Billings, Montana 59102

Re: Monument Federal #11-9-9-16 Well, 674' FNL, 668' FWL, NW NW, Sec. 9,  
T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31618.

Sincerely,

R. J. Firth  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

WAPD



Operator: Equitable Resources Energy  
Well Name & Number: Monument Federal #11-9-9-16  
API Number: 43-013-31618  
Lease: U-020254  
Location: NW NW Sec. 9 T. 9 S. R. 16 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Company  
Balcon Oil Division  
ADDRESS 1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860

OPERATOR ACCT. NO. H 9890

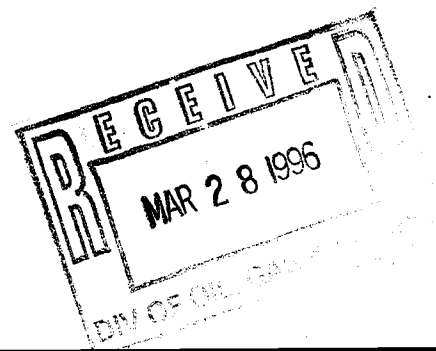
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11893	43-013-31618	Monument Federal #11-9-9-16	NW NW	9	9S	16E	Duchesne	3-20-96	3-20-96
WELL 1 COMMENTS: Spud of a new Well. <i>Entity added 3-29-96. Lec</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



Molly Connad  
Signature  
Operations Secretary 3-25-96  
Title Date  
Phone No. (406) 259-7860



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

March 26, 1996

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

RE: Monument Federal #11-9-9-16  
NW NW Section 9, T9S, R16E  
Duchesne County, Utah  
API #43-013-31618

This letter is notice that the subject well was spud on 3-20-96 at 6.30 a.m.

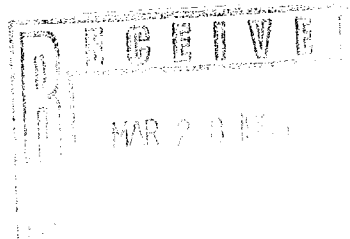
Please feel free to contact me if you have any questions.

Sincerely,

Molly Conrad  
Operations Secretary

/mc

cc: Utah Division of Oil, Gas, & Mining: Also enclosed Form 6 Entity Action  
Form  
Mary Lou Dixon, Uintah Basin Health Dept. - VIA FAX  
Bobbie Schuman



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APR 4 1996

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

**CONFIDENTIAL**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MTj 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 9, T9S, R16E  
673.6' FNL & 667.9' FWL

5. Lease Designation and Serial No.

U-020254

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Monument Federal 11-9

9. API Well No.

43-013-31618

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other First Production

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Date of first production on this well was March 29, 1996. Ed Forsman with the Vernal Bureau of Land Management witnessed oil production on this well.

Original: Bureau of Land Management, Vernal District Office  
Copy: Utah Division of Oil, Gas, & Mining

2 + orig

14. I hereby certify that the foregoing is true and correct

Signed

Molly Connad

Title Operations Secretary

Date

4-2-96

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

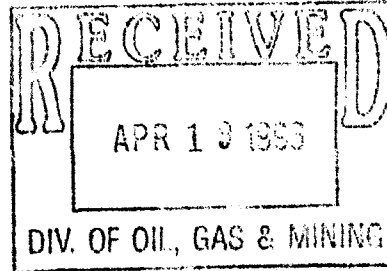
\*See Instruction on Reverse Side



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

April 16, 1996

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078 ate of Utah

Gentlemen:

RE: Monument Federal #11-9-9-16  
NW NW Section 9, T9S, R16E  
Duchesne County, Utah  
API #43-013-31618

This letter will serve as notice that first production on the subject well was on  
4-16-96 at 12:00 p.m.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly Conrad  
Operations Secretary

/mc

cc: State of Utah, Division of Oil, Gas, & Mining  
Bobbie Schuman

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59102

(406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

673.6' ENL & 667.9' FWL

NW NW Section 9, T9S, R16E

5. Lease Designation and Serial No.

U-020254

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Monument Fed. #11-9-9-16

9. API Well No.

43-013-31618

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Onshore Order #7  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.

14. I hereby certify that the foregoing is true and correct

Signed

Molly Conrad

Title

Operations Secretary

Date

5-3-96

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Monument Federal #11-9-9-16  
 API number: 43-013-31618
2. Well Location: QQ NW NW Section 9 Township 9S Range 16E County Duchesne
3. Well operator: Equitable Resources Energy Company  
 Address: 1601 Lewis Avenue  
Billings, MT 59102 Phone: (406) 259-7860
4. Drilling contractor: Union Drilling  
 Address: Drawer 40  
Buckhannon, WV 26201 Phone: (304) 472-4610
5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered	
		during drilling operations.	

6. Formation tops: Please see original completion reports.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 5-3-96

Name & Signature: Molly Conrad *Molly Conrad* Title: Operations Secretary



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Monument Federal #11-9-9-16  
API number: 43-013-31618
2. Well Location: QQ NW NW Section 9 Township 9S Range 16E County Duchesne
3. Well operator: Equitable Resources Energy Company  
Address: 1601 Lewis Avenue  
Billings, MT 59102 Phone: (406) 259-7860
4. Drilling contractor: Union Drilling  
Address: Drawer 40  
Buckhannon, WV 26201 Phone: (304) 472-4610
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DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered	
		during drilling operations.	

6. Formation tops: Please see original completion reports.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 5-3-96

Name & Signature: Molly Conrad *Molly Conrad* Title: Operations Secretary

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other In-  
structions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Equitable Resources Energy Company							
3. ADDRESS OF OPERATOR 1601 Lewis Avenue, Billings, MT 59102 (406) 552-860							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 673.6' FNL & 667.9' FWL At top prod. interval reported below At total depth							
14. PERMIT NO. 43-013-31618				DATE ISSUED 3-14-96		12. COUNTY OR PARISH Duchesne	
15. DATE SPUDDED 3-20-96		16. DATE T.D. REACHED 3-26-96		17. DATE COMPL. (Ready to prod.) 4-16-96		18. ELEVATIONS (DF, RKB, RT, GR, ETC.) * 5756.2' GL	
20. TOTAL DEPTH, MD & TVD 5,900'		21. PLUG, BACK T.D., MD & TVD 5822'		22. IF MULTIPLE COMPL., HOW MANY * n/a		23. INTERVALS DRILLED BY SFC - TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) * 4302' - 4836' Green River						19. ELEV. CASINGHEAD n/a	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL CNL/Litho-Density CBL/GR mud 4-1-96						27. WAS WELL CORED No	
25. WAS DIRECTIONAL SURVEY MADE No							
29. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
8-5/8"	24#	298' KB	12-1/4"	160 sacks Class "G" w/additives		None	
5-1/2"	15.5#	5866.7' KB	7-7/8"	265 sxs Class "G" w/additives		None	
				348 sxs 50/50 POZ w/additives			
30. TUBING RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-7/8"	4887.61' KB	n/a
31. PERFORATION RECORD (Interval, size and number)							
4827' - 4836' (6 holes) 4762' - 4781' (8 holes) 4302' - 4310' (4 SPF)							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
*Please see attachment.							
33. PRODUCTION							
DATE FIRST PRODUCTION 4-16-96		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 4-30-96	HOURS TESTED 24	CHOKE SIZE n/a	PROD'N. FOR TEST PERIOD →	OIL—BBL. 113	GAS—MCF. N.M.	WATER—BBL. 17.5	GAS-OIL RATIO N.M.
FLOW. TUBING PRESS. n/a	CASING PRESSURE n/a	CALCULATED 24-HOUR RATE →	OIL—BBL. 113	GAS—MCF. N.M.	WATER—BBL. 17.5	OIL GRAVITY-API (CORR.) 34	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel						TEST WITNESSED BY Dale Griffin	
35. LIST OF ATTACHMENTS Section 32; Acid, Shot, Fracture, Cement Squeeze, ETC.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Molly Conrad</u>		TITLE <u>Operations Secretary</u>				DATE <u>5-3-96</u>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	Green River Horsebench SS 2nd Garden Gulch Yellow Marker Douglas Creek 2nd Douglas Creek Green Marker Black Shale Facies Carbonate Marker	1563' 2263' 3953' 4588' 4739' 4981' 5127' 5372' 5629'	1563' 2263' 3953' 4588' 4739' 4981' 5127' 5372' 5629'

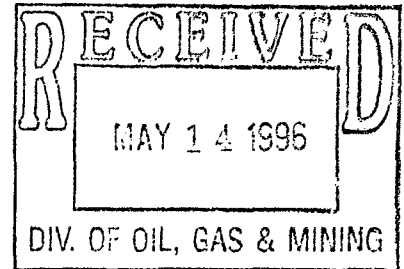


**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☐



May 10, 1996

Mr. Ed Forsman  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

---VIA Federal Express---

Dear Mr. Forsman:

RE: Corrected Completion Reports  
Monument Federal #41-8-9-16  
Monument Federal #11-9-9-16

Enclosed are the corrected completion reports for the subject wells. The date of first production was reported incorrectly on the original reports submitted.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Operations Secretary

/mc

Enclosures

cc: Bobbie Schuman  
Valeri Kaae  
Lou Ann Carlson  
State of Utah

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

CONFIDENTIAL

2. NAME OF OPERATOR

Equitable Resources energy Company

\*\*CORRECTED REPORT\*\*

3. ADDRESS OF OPERATOR

1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860-

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 673.6' FNL & 667.9 FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

43-013-31618

3-14-96

15. DATE SPUDDED

3-20-96

16. DATE T.D. REACHED

3-26-96

17. DATE COMPL. (Ready to prod.)

3-29-96

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5756.2' GL

19. ELEV. CASINGHEAD

n/a

20. TOTAL DEPTH, MD & TVD

5,900'

21. PLUG, BACK T.D., MD & TVD

5822'

22. IF MULTIPLE COMPL. HOW MANY\*

n/a

23. INTERVALS DRILLED BY

ROTARY TOOLS  
SFC - TD

CABLE TOOLS  
n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

4302 - 4836'

Green River

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL CNL/Litho-Density CBL/GR

27. WAS WELL CORED

Npo

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	298' KB	12-1/4"	160 sxs Class "G" w/additives	None
5-1/2"	15.5#	5866.7' KB	7-7/8"	265 sxs Class "G" w/additives	None
				348 sxs 50/50 POZ w/additives	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4887.61' KB	n/a

31. PERFORATION RECORD (Interval, size and number)

4827' - 4836' (6 holes)

4762' - 4781' (8 holes)

4302' - 4310' (4 SPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
** Please see attachment.	

33.\*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
3-29-96		1-1/2" Insert Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-30-96	24	n/a		113	N.M.	17.5	N.M.
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
n/a	n/a		113	N.M.	17.5	34	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for fuel.

TEST WITNESSED BY

Dale Griffin

35. LIST OF ATTACHMENTS

Section 32 - Acid, Shot, Fracture, Cement Squeeze, Etc.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Molly Conrad

TITLE

Operations Secretary

DATE

5-10-96

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
						MEAS. DEPTH	TRUE VERT. DEPTH
				No DST's run.	Please original completion report submitted.		

Attachment to Completion Report  
Monument Federal #11-9-9-16  
NW NW Section 9, T9S, R16E  
Duchesne County, Utah

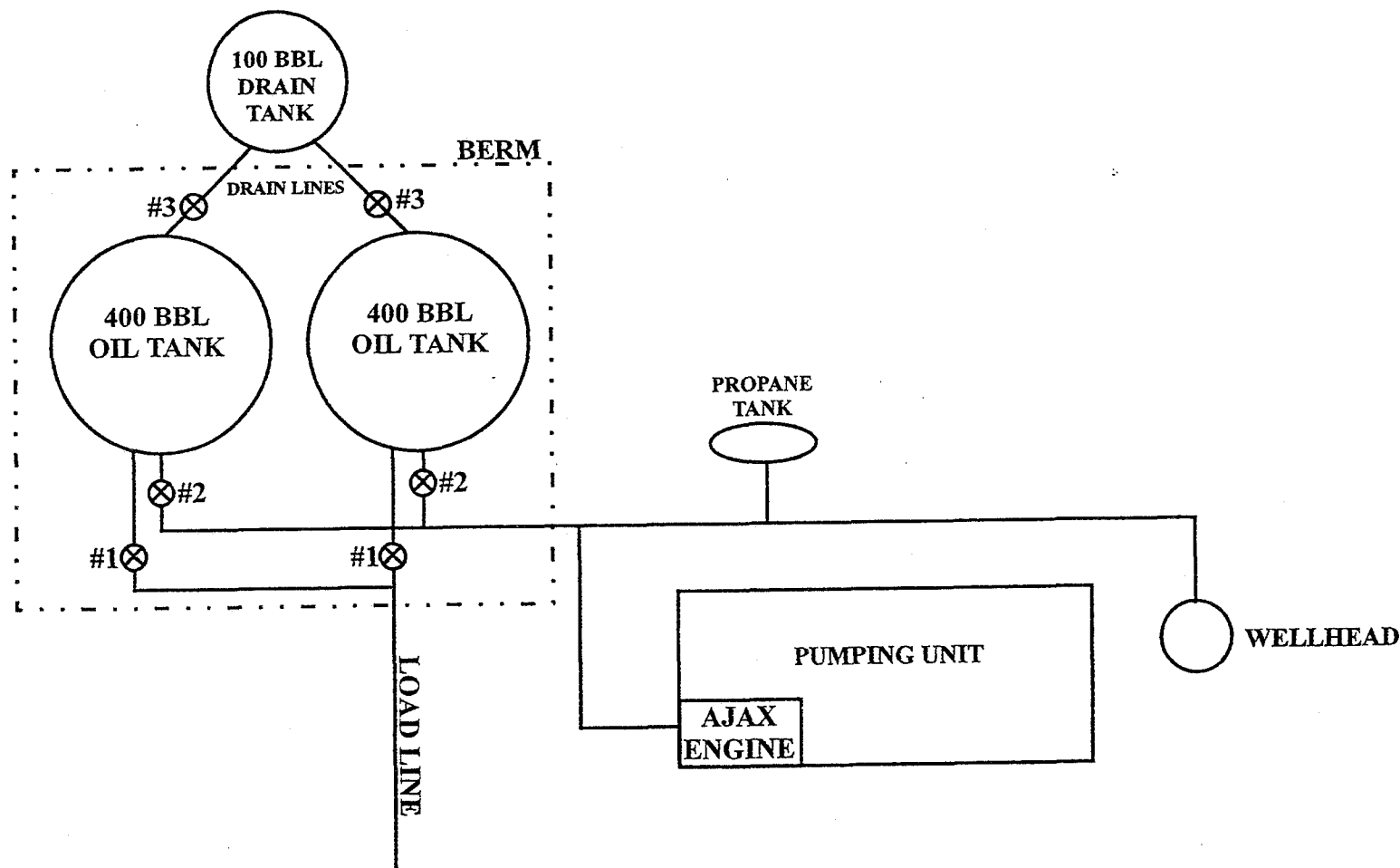
<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
4762' - 4781' and 4827' - 4836'	Break down with 1000 gallons 15% HCL acid and 1394 gallons water.
4762' - 4836'	Frac with 110,000# 16/30 mesh sand with 33,180 gallons 2% KCL gelled water.
4302' - 4310'	Break down with 1932 gallons 2% KCL water. Frac with 50,090# 16/30 mesh sand with 16,882 gallons 2% KCL gelled water.

/mc

5-3-96

EQUITABLE RESOURCES ENERGY COMPANY  
 MONUMENT FEDERAL #11-9-9-16  
 PRODUCTION FACILITY DIAGRAM

MONUMENT FEDERAL #11-9-9-16  
 NW NW SEC. 9, T9S, R16E  
 DUCHESNE COUNTY, UTAH  
 LEASE #U-020254



VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	CLOSED



PLAN LOCATED AT:

**EQUITABLE RESOURCES  
 ENERGY COMPANY**  
 WESTERN REGION

1601 Lewis Avenue  
 Billings, MT 59102  
 (406) 259-7860

JUNE 6, 1996



## DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

OQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

- ☐ Abandon ☐ New Construction  
☐ Repair Casing ☐ Pull or Alter Casing  
☐ Change of Plans ☐ Recomplete  
☐ Convert to Injection ☐ Reperforate  
☐ Fracture Treat or Acidize ☐ Vent or Flare  
☐ Multiple Completion ☐ Water Shut-Off  
☒ Other Change of Operator

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- ☐ Abandon ☐ New Construction  
☐ Repair Casing ☐ Pull or Alter Casing  
☐ Change of Plans ☐ Reperforate  
☐ Convert to Injection ☐ Vent or Flare  
☐ Fracture Treat or Acidize ☐ Water Shut-Off  
☒ Other Change of Operator

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was:

Equitable Resources Energy Company  
 1601 Lewis Avenue  
 Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature: Chris A. Potter

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date: 9/30/97

This space for State use only)

## INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ WALTON FEDERAL #1	SESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15792-00	UTU096550	UTU72086A
✓ WALTON FEDERAL #2	NWNE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15793-00	UTU096550	UTU72086A
WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ WALTON FEDERAL #4	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15795-00	UTU096550	UTU72086A
✓ ALLEN FEDERAL #31-6G	NWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31442-00	UTU020252A	
✓ BALCRON FEDERAL #21-13Y	NENW 139S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31400-00	UTU64805	
✓ BALCRON FEDERAL #21-25Y	NENW 259S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31394-00	UTU64380	
✓ BALCRON FEDERAL #44-14Y	SESE 149S 17E	UINTAH	UT	MONUMENT BUTTE (U)	43-047-32438-00	UTU64806	
✓ CASTLE PEAK FEDERAL #24-10A	SESW 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30555-00	UTU72107	
✓ CASTLE PEAK STATE #43-16	NESE 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30594-00		891008243C
✓ K. JORGENSEN STATE #16-4	NESE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30572-00	ML-3453-B	
✓ STATE #16-2	NENE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30552-00	ML-3453-B	
✓ BALCRON FEDERAL #21-9Y	NENW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31396-00	UTU65207	
✓ BALCRON FEDERAL #41-21Y	NENE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31392-00	UTU64379	
✓ MONUMENT FEDERAL #31-6-9-16	NWNE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31717-00	UTU74390	
✓ MONUMENT FEDERAL #32-6-9-16Y	SW NE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31300-00	UTU74390	
✓ MONUMENT FEDERAL #42-6-9-16Y	SE NW 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31645-00	UTU74390	
✓ MONUMENT FEDERAL #41-6-9-16	NENE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31718-00	UTU74390	
✓ MONUMENT FEDERAL #31-8-9-16	NW NE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31721-00	UTU020255	
✓ MONUMENT FEDERAL #41-8-9-16	NENE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31619-00	UTU020255	
✓ MONUMENT FEDERAL #11-9-9-16	NW NW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31618-00	UTU020254	
✓ MONUMENT FEDERAL #33-6-9-16Y	NW SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31589-00	UTU74390	
✓ MONUMENT FEDERAL #43-6-9-16Y	NE SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31644-00	UTU74390	
✓ MONUMENT FEDERAL #44-6-9-16Y	SE SE 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31720-00	UTU74390	
✓ MONUMENT FEDERAL #31-18-9-16	NW NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31725-00	UTU74390	
✓ MONUMENT FEDERAL #41-18Y	NE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31646-00	UTU74390	
✓ MONUMENT FEDERAL #42-18Y	SE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31724-00	UTU74390	
✓ MONUMENT FEDERAL #31-21-9-16	NW NE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31726-00	UTU64379	
✓ MONUMENT FEDERAL #11-22Y	NW NW 229S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31647-00	UTU64379	
✓ MONUMENT FEDERAL #13-4-9-16	NW SW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31716-00	UTU73086	
✓ MONUMENT FEDERAL #14-4	SWSW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31666-00	UTU73086	
✓ MONUMENT FEDERAL #22-20-9-16	SE NW 209S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31681-00	UTU52018	
✓ MONUMENT FEDERAL #23-7-9-16	NESW 7 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31694-00	UTU74390	
✓ MONUMENT FEDERAL #24-17-9-16	SESW 179S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31682-00	UTU52018	
✓ MONUMENT BUTTE #34-31-8-16	SW SE 318S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31715-00	UTU74389	
✓ MONUMENT FEDERAL #33-10-9-16	NW SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31722-00	UTU72107	
✓ MONUMENT BUTTE #43-10-9-16	NE SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31723-00	UTU72107	
✓ CHORNEY FEDERAL #1-9	SWSE 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-30070-00	UTU5843	
✓ HENDEL FEDERAL #1	SWSW 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-20011-00	UTU058149	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 9, T9S, R16E  
674' FNL & 668' FWL

5. Lease Designation and Serial No.

U-020254

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Monument Fed. #11-9-9-16

9. API Well No.

43-013-31618

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Site Security Diagram

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is the Site Security Diagram for this well.

14. I hereby certify that the foregoing is true and correct

Signed

Molly Connors

Title Operations Secretary

Date 6-10-96

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



RECEIVED  
OCT 10 1997

October 7, 1997

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

RE: Change of Operator  
Duchesne & Vernal Counties, Utah


Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

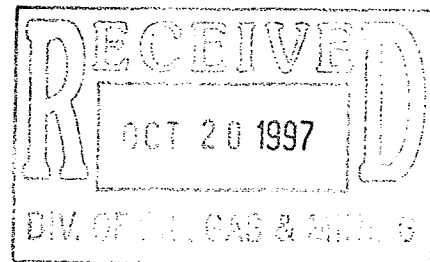
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

  
Patsy Barreau

/pb  
encls.





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400

Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3  
UT08438

December 4, 1997

Inland Production Company  
475 17th Street, Suite 1500  
Denver, CO 80202

*43-013-31618*  
Re: Well No. Mon. Fed 11-9-9-16  
NWNW, Sec. 9, T9S, R16E  
Lease U-020254  
Duchesne County, Utah

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II  
Assistant Field Manager,  
Minerals Resources

cc: Division of Oil, Gas & Mining  
Equitable Resources Energy Company



# EQUITABLE RESOURCES ENERGY COMPANY

## WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: Lisha  
St of Utah.

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.  
Call if you need anything  
further.

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-LEF	6-LEF
2-GLF	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G SERVICES</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-21618</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- 1 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 12-10-97)*
- 1 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 10-20-97)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- 1 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- 1 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(12-9-97)*
- 1 6. Cardex file has been updated for each well listed above. *(12-10-97)*
- 1 7. Well file labels have been updated for each well listed above. *(12-10-97)*
- 1 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(12-9-97)*
- 1 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



## ENTITY REVIEW

- Yec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Yec 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operator's bond files.
- \_\_\_ 3. The FORMER operator has requested a release of liability from their bond (yes/no) \_\_\_\_, as of today's date \_\_\_\_\_. If yes, division response was made to this request by letter dated \_\_\_\_\_.

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on \_\_\_\_\_ to \_\_\_\_\_ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A DL 3/21/97 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_ 19 \_\_\_\_, of their responsibility to notify all interest owners of this change.

## FILMING

- YB 1. All attachments to this form have been microfilmed. Today's date: 1.6.98.

## FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

## COMMENTS

971209 BLM / Vernal Aprv 12-4-97.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**0674 FNL 0668 FWL NW/NW Section 9, T09S R16E**

5. Lease Designation and Serial No.

**U-020254**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**MONUMENT FEDERAL 11-9-9-16**

9. API Well No.

**43-013-31618**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

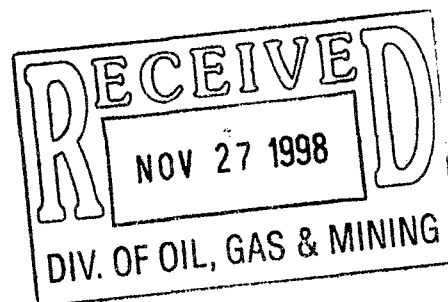
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Site Security

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

11/24/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# Inland Production Company Site Facility Diagram

Monument Federal 11-9

NW/NW Sec. 9, T9S, 16E

Duchesne County

Nov. 05, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

## Production Phase:

- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 1 open

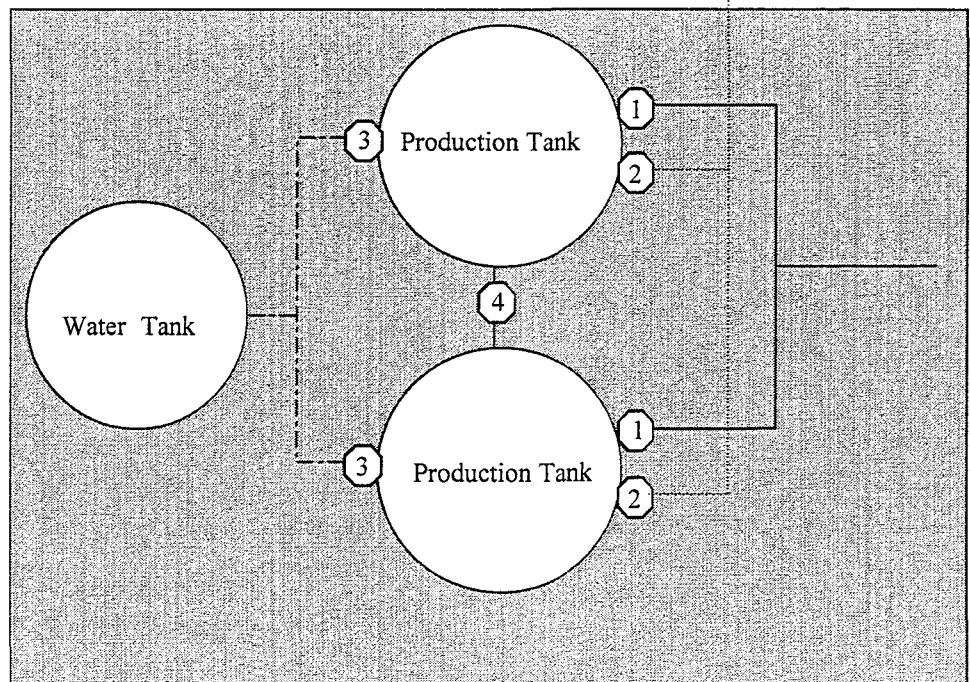
## Draining Phase:

- 1) Valve 3 open

Diked Section

Gas Sales Meter

Pumping Unit



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**0674 FNL 0668 FWL NW/NW Section 9, T9S R16E**

5. Lease Designation and Serial No.

**U-020254**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**SO WELLS DRAW**

8. Well Name and No.

**MONUMENT FED 11-9-9-16**

9. API Well No.

**43-013-31618**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Subject well had recompletion procedures initiated in the Green River formation on 7/12/03. Existing production equipment was pulled from well. A notched collar and casing scraper were run in well. Two new Green River intervals were perforated and hydraulically fracture treated as follows: Stage #1: A1 sands @ 5210'-5216' (4 JSPF) fraced down 2 7/8 N-80 tubing w/ 23,892# 20/40 sand in 215 BbIs Viking I-25 fluid. Stage #2: DS3 sands @ 4718'-4728' (4 JSPF) fraced down 2 7/8 N-80 tubing w/ 25,000# 20/40 sand in 200 BbIs Viking I-25 fluid. Fracs were flowed back through chokes. Sand was cleaned from wellbore. New intervals were swab tested for sand cleanup. BHA and production tubing were run and anchored in well w/ tubing anchor @ 5203', pump seating nipple @ 5229', and end of tubing string @ 5299'. A repaired 1 1/2" bore rod pump was run in well on sucker rods. Well returned to production via rod pump on 7/18/03.

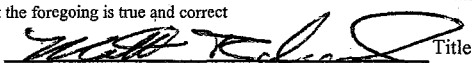
**RECEIVED**

**JUL 29 2003**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed

  
Matthew Richmond

Title

Production Clerk

Date

7/25/2003

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****SOUTH WELLS DRAW (GR)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
S WELLS DRAW 15-34-8-16	34	080S	160E	4301331670	13269	Federal	WI	A
CASTLE PEAK 1-3	03	090S	160E	4301330639	13269	Federal	WI	A
S WELLS DRAW 4-3-9-16	03	090S	160E	4301332096	13269	Federal	OW	P
BALCRON MON FED 14-4	04	090S	160E	4301331666	13269	Federal	WI	A
MON FED 13-4-9-16	04	090S	160E	4301331716	13269	Federal	OW	P
CASTLE PEAK 9R	05	090S	160E	4301315787	99998	Federal	NA	PA
MON FED 41-8-9-16	08	090S	160E	4301331619	13269	Federal	WI	A
MON FED 31-8-9-16	08	090S	160E	4301331721	13269	Federal	OW	P
FEDERAL 21-9Y	09	090S	160E	4301331396	13269	Federal	WI	A
MON FED 11-9-9-16	09	090S	160E	4301331618	13269	Federal	OW	P
S WELLS DRAW 9-9-9-16	09	090S	160E	4301332043	13269	Federal	WI	A
S WELLS DRAW 16-9-9-16	09	090S	160E	4301332044	13269	Federal	OW	P
CASTLE PK FED 24-10A	10	090S	160E	4301330555	13269	Federal	OW	P
MON FED 33-10-9-16	10	090S	160E	4301331722	13269	Federal	OW	P
MON FED 43-10-9-16	10	090S	160E	4301331723	13269	Federal	WI	A
S WELLS DRAW 2-10-9-16	10	090S	160E	4301331774	13269	Federal	OW	P
S WELLS DRAW 5-10-9-16	10	090S	160E	4301331811	13269	Federal	WI	A
S WELLS DRAW 6-10-9-16	10	090S	160E	4301332041	13269	Federal	OW	P
S WELLS DRAW 7-10-9-16	10	090S	160E	4301332042	13269	Federal	WI	A
S WELLS DRAW 11-10-9-16	10	090S	160E	4301332045	13269	Federal	WI	A
S WELLS DRAW 12-10-9-16	10	090S	160E	4301332046	13269	Federal	OW	P
S WELLS DRAW 13-10-9-16	10	090S	160E	4301332047	13269	Federal	OW	S

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-020254
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON FED 11-9-9-16
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0674 FNL 0668 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 09 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013316180000
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE		<b>COUNTY:</b> DUCHESNE
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/18/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">Put on Injection</span>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 The above reference well was put on injection at 9:45 am on 11/18/2011.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 12/05/2011

By:

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/18/2011	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
674 FNL 668 FWL  
NWNW Section 9 T9S R16E

5. Lease Serial No.

USA UTU-020254

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
GMBU

8. Well Name and No.  
MON FED 11-9-9-16

9. API Well No.  
4301331618

10. Field and Pool, or Exploratory Area  
GREATER MB UNIT

11. County or Parish, State  
DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Eric Sundberg  
Signature

Title

Regulatory Lead

Date

6/3/10

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)



June 3, 2010

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Monument Federal #11-9-9-16  
Monument Butte Field, Lease #UTU-020254  
Section 9-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Monument Federal #11-9-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is fluid and extends to the right.

Eric Sundberg  
Regulatory Lead

**RECEIVED**  
**JUN 08 2010**  
**DIV. OF OIL, GAS & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT FEDERAL #11-9-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-020254**  
**JUNE 3, 2010**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – MONUMENT FEDERAL #11-9-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – SOUTH WELLS DRAW #14A-4-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – SOUTH WELLS DRAW #X-4-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – BALCRON MONUMENT FEDERAL #14-4-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – SOUTH WELLS DRAW #16-5T-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – SOUTH WELLS DRAW #U-5-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – SOUTH WELLS DRAW #B-8-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – MONUMENT FEDERAL #41-8-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – FEDERAL #8-8-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – FEDERAL #5-9-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – SOUTH WELLS DRAW #21-9Y-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – MONUMENT FEDERAL #13-4-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – SOUTH WELLS DRAW FEDERAL #R-4-9-16
ATTACHMENT E-13	WELLBORE DIAGRAM – SOUTH WELLS DRAW FEDERAL #2-9-9-16
ATTACHMENT E-14	WELLBORE DIAGRAM – FEDERAL #6-9-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED 3/27/96-4/16/96 & 7/13/03-7/19/04
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: Monument Federal 11-9-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-020254  
Well Location: QQ NW/NW section 9 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]

Will the proposed well be used for:                      Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
   Disposal? . . . . . Yes [ ] No [ X ]  
   Storage? . . . . . Yes [ ] No [ X ]

Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]

If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]


Date of test: \_\_\_\_\_  
API number: 43-013-31618

Proposed injection interval:                      from 4071 to 5822  
Proposed maximum injection:                      rate 500 bpd pressure 2166 psig  
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature   
Title Regulatory Lead Date 6/3/10  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:



# Monument Federal #11-9-9-16

Spud Date: 3/20/96  
Put on Production: 3/29/96  
GL: 5756' KB: 5766' (10' KB)

Initial Production: 113 BOPD, 0 MCFD  
18 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 JTS - 288'  
DEPTH LANDED: 298' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sx Class "G" cmt

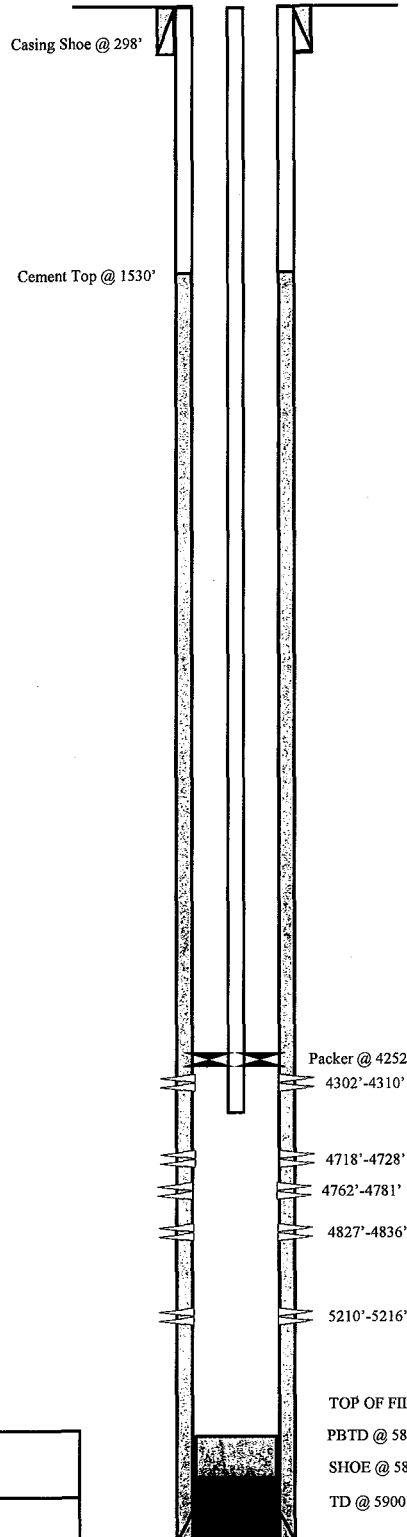
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 134 jts. (5856.70')  
SET AT: 5866.7' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 265 sxs Super "G", 348 sxs 50/50 poz.  
CEMENT TOP AT: 1530' KB

## TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
NO. OF JOINTS: 162 jts. (5193.04')  
TUBING ANCHOR: 5203.04' KB  
NO. OF JOINTS: 1 jt. (32.03')  
SEATING NIPPLE: 1.10'  
SN LANDED AT: 5229.19' KB  
NO. OF JOINTS: 1 jt. (59.70')  
TOTAL STRING LENGTH: EOT @ 5299.29' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

4/01/96 4762'-4836' **Frac sand as follows:**  
110,000# 16/30 sand in 790 bbl 2% frac fluid.  
ATP 3800 psi, ATR 35.5 bpm, ISIP 3500 psi.  
Calc. Flush: 4762 gal. Actual flush: 4704 gal.

4/04/96 4302'-4310' **Frac sand as follows:**  
50,090# 16/30 sand in 402 bbl 2% frac fluid.  
ATP 3600 psi, ATR 31.6 bpm, ISIP 2450 psi.  
Calc. Flush: 4302 gal. Actual flush: 4242 gal.

8/27/99 Pump change. Update rod and tubing details.

7/15/03 5210'-5216' **Frac A1 sands as follows:**  
23,892#s of 20/40 sand in 215 bbls Viking 1-25 fluid. Treated @ avg press. Of 3370 w/avg rate of 14.7 bpm. ISIP 2200 psi. Calc flush: 1362 gal. Actual flush: 1260 gals.

7/15/03 4718'-4728' **Frac DS3 sands as follow:**  
25,000#s of 20/40 sand in 200 bbls Viking 1-25 fluid. Treated @ avg press of 3880 psi w/avg rate of 14.7 bpm. ISIP 3960 psi. Calc flush: 1233 gal. Actual flush: 1134 gal.

04/27/05 Pump change. Update rod and tubing detail.

## PERFORATION RECORD

3-28-96	4762'-4772'	4 holes
3-28-96	4775'-4778'	3 holes
3-28-96	4780'-4781'	1 holes
3-28-96	4827'-4836'	6 holes
4-03-96	4302'-4310'	4 JSPF 32 holes
7-13-03	5210'-5216'	4 JSPF 24 holes
7-15-03	4718'-4728'	4 JSPF 40 holes

**NEWFIELD**

**Monument Federal #11-9-9-16**

674 FNL & 668 FWL

NWNW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-31618; Lease #UTU-020254

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Monument Federal #11-9-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Monument Federal #11-9-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (4071' - 5822'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3746' and the TD is at 5900'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Federal #11-9-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-020254) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
  - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 298' KB, and 5-1/2", 15.5# casing run from surface to 5867' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2166 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Monument Federal #11-9-9-16, for existing perforations (4302' - 5216') calculates at 0.86 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2166 psig. We may add additional perforations between 3746' and 5900'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Monument Federal #11-9-9-16, the proposed injection zone (4071' - 5822') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

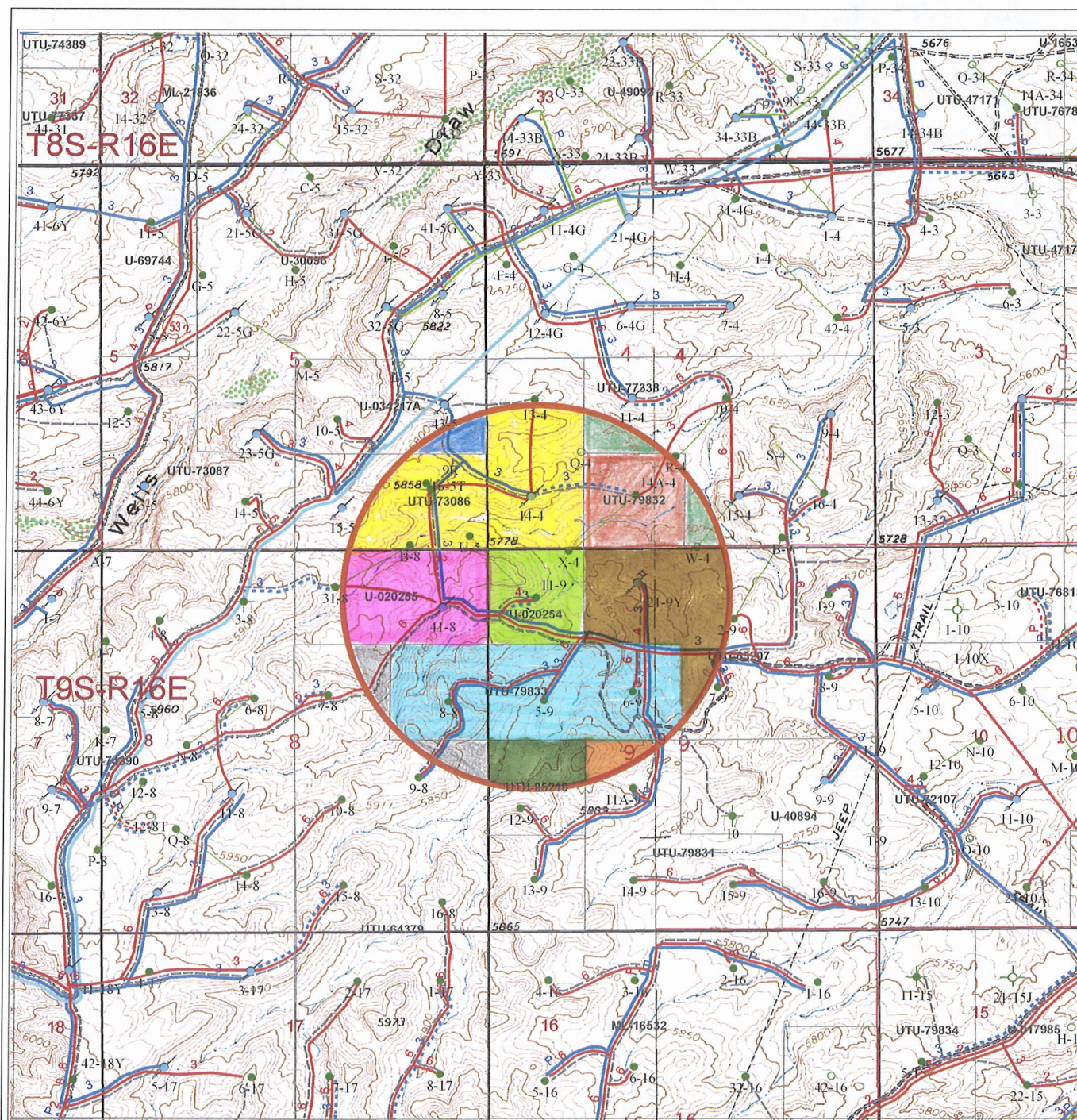
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**
























See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.





- Well Status**
-  Location
  -  CTI
  -  Surface Spud
  -  Drilling
  -  Waiting on Completion
  -  Producing Oil Well
  -  Producing Gas Well
  -  Water Injection Well
  -  Dry Hole
  -  Temporarily Abandoned
  -  Plugged & Abandoned
  -  Shut In
- Countyline**
- 
- Injection system**
-  high pressure
  -  low pressure
  -  proposed
  -  return
  -  return proposed
- Leases**
- 
- Mining tracts**
- 
- Gas Pipelines**
-  Gathering lines
  -  Proposed lines
  -  11-9-9-16 1/2mile radius

UTU-020254	
UTU-79832	
UTU-77338	
UTU-73086	
UTU-034217-A	
UTU-020255	
UTU-64379	
UTU-79833	
UTU-85210	
UTU-79831	
UTU-65207	

## Attachment A

Monument Federal 11-9-9-16  
Section 9, T9S-R16E



N

1" = 200

## 1/2 Mile Radius Map

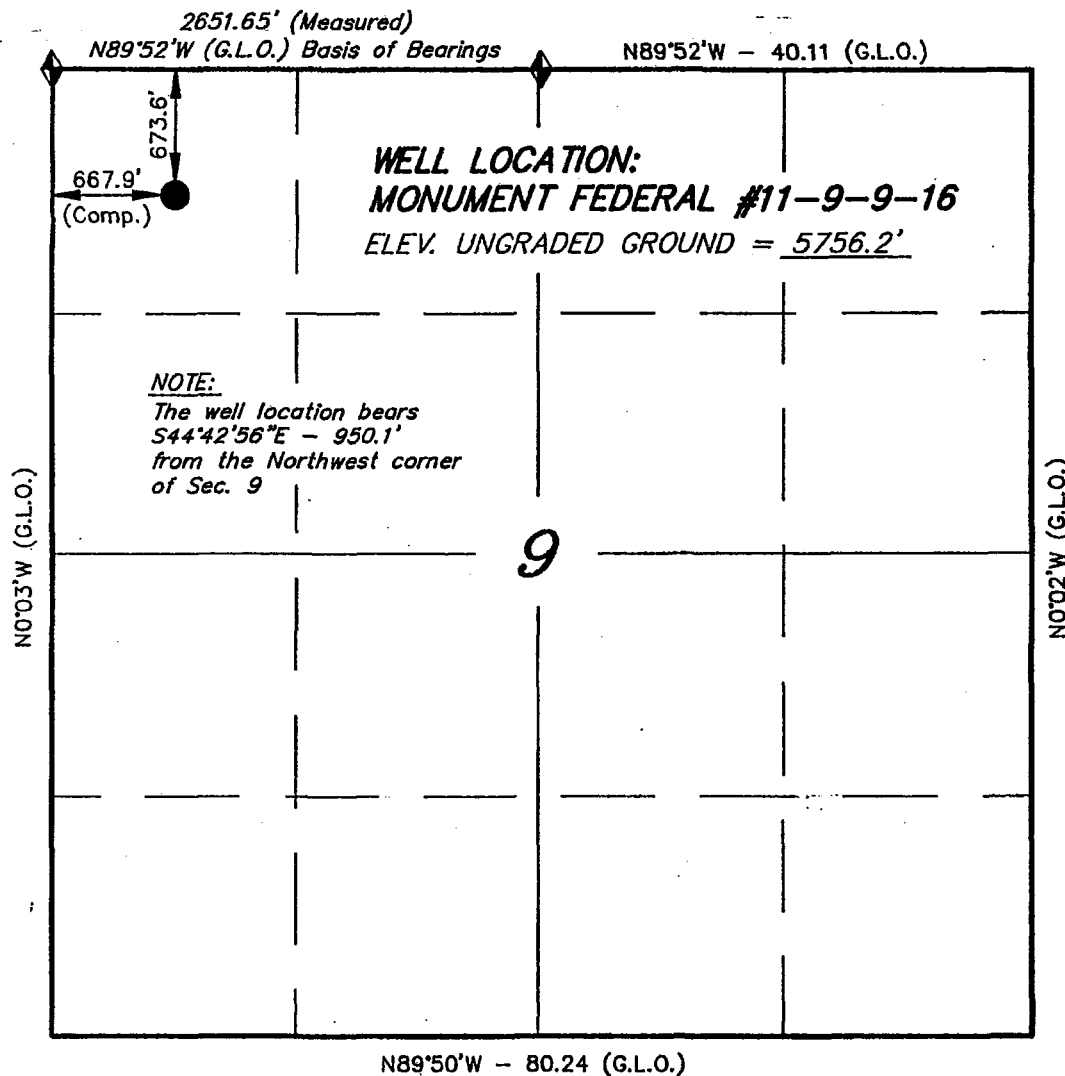
### Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

February 24, 2010



**T9S, R16E, S.L.B.&M.**



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

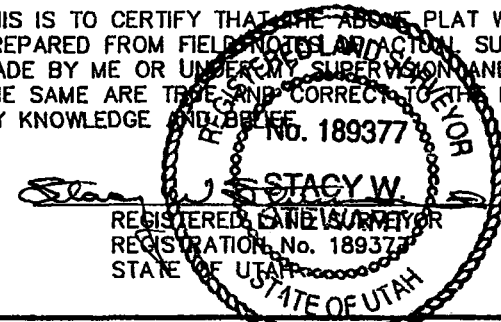
**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, MONUMENT FEDERAL  
#11-9-9-16, LOCATED AS SHOWN IN THE  
NW 1/4 NW 1/4 OF SECTION 9, T9S,  
R16E, S.L.B.&M. DUCHESNE COUNTY,  
UTAH.

Attachment A-1



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES AND ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: S.S.

DATE: 2-14-96

WEATHER: COOL

NOTES:

FILE #

EXHIBIT K



## EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>Township 9 South, Range 16 East SLM</u> Section 9: NWNW	USA UTU-020254 HBP	Newfield Production Company Newfield RMI LLC	USA
2	<u>Township 9 South, Range 16 East SLM</u> Section 3: SE Section 4: SESW	USA UTU-79832 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation	USA
3	<u>Township 9 South, Range 16 East SLM</u> Section 3: Lots 3-4, S2NW, SW Section 4: NESW, SE	USA UTU-77338 HBP	Newfield Production Company Newfield RMI LLC	USA
4	<u>Township 9 South, Range 16 East SLM</u> Section 4: W2SW Section 5: S2SE	USA UTU-73086 HBP	Newfield Production Company Newfield RMI LLC	USA
5	<u>Township 9 South, Range 16 East SLM</u> Section 5: N2SE	USA UTU-034217-A HBP	Newfield Production Company Newfield RMI LLC	USA
6	<u>Township 9 South, Range 16 East SLM</u> Section 8: N2NE	USA UTU-020255 HBP	Newfield Production Company Newfield RMI LLC	USA
7	<u>Township 9 South, Range 16 East SLM</u> Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: Lots 3-4, E2SW, SE Section 19: Lots 1-2, NE, E2NW Section 21: N2 Section 22: NW, W2NE, SENE	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation	USA

## EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
8	<u>Township 9 South, Range 16 East SLM</u> Section 8: SENE Section 9: S2NW	USA UTU-79833 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation Yates Drilling Company ABO Petroleum Corporation MYCO Industries, Inc.	USA
9	<u>Township 9 South, Range 16 East SLM</u> Section 9: NWSW	USA UTU-85210 HBP	Newfield Production Company	USA
10	<u>Township 9 South, Range 16 East SLM</u> Section 9: E2SW, SWSE	USA UTU-79831 HBP	Newfield Production Company Newfield RMI LLC	USA
11	<u>Township 9 South, Range 16 East SLM</u> Section 9: NE, NENW Section 10: N2NW	USA UTU-65207 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation Yates Drilling Company ABO Petroleum Corporation MYCO Industries, Inc.	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Federal #11-9-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

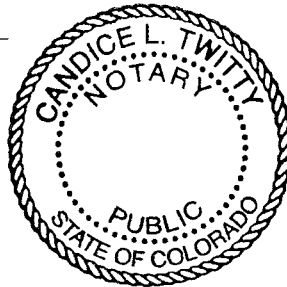
*Eric Sundberg*  
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 3<sup>rd</sup> day of June, 2010.

Notary Public in and for the State of Colorado: \_\_\_\_\_

*Candice L Twitty*

My Commission Expires: 02/10/2013



## Monument Federal #11-9-9-16

Spud Date: 3/20/96  
 Put on Production: 3/29/96  
 GL: 5756' KB: 5766' (10' KB)

Initial Production: 113 BOPD, 0 MCFD  
 18 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 JTS - 288'  
 DEPTH LANDED: 298' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts. (5856.70')  
 SET AT: 5866.7' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 265 sxs Super "G", 348 sxs 50/50 poz.  
 CEMENT TOP AT: 1530' KB

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 162 jts. (5193.04')  
 TUBING ANCHOR: 5203.04' KB  
 NO. OF JOINTS: 1 jt. (32.03')  
 SEATING NIPPLE: 1.10'  
 SN LANDED AT: 5229.19' KB  
 NO. OF JOINTS: 1 jt. (59.70')  
 TOTAL STRING LENGTH: EOT @ 5299.29' KB

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 22' polished rod  
 SUCKER RODS: 1-2x3/4" pony rod, 91-3/4" scraped rods, 102-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weighted rods.  
 PUMP SIZE: 2 1/2" x 1 1/2" x 14' RHAC pump w/ SM Plunger  
 STROKE LENGTH: 83"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: DLL, CNL/Litho-Density, CBL/GR

**FRAC JOB**

4/01/96 4762'-4836' **Frac sand as follows:**  
 110,000# 16/30 sand in 790 bbl 2% frac fluid.  
 ATP 3800 psi, ATR 35.5 bpm, ISIP 3500 psi.  
 Calc. Flush: 4762 gal. Actual flush: 4704 gal.

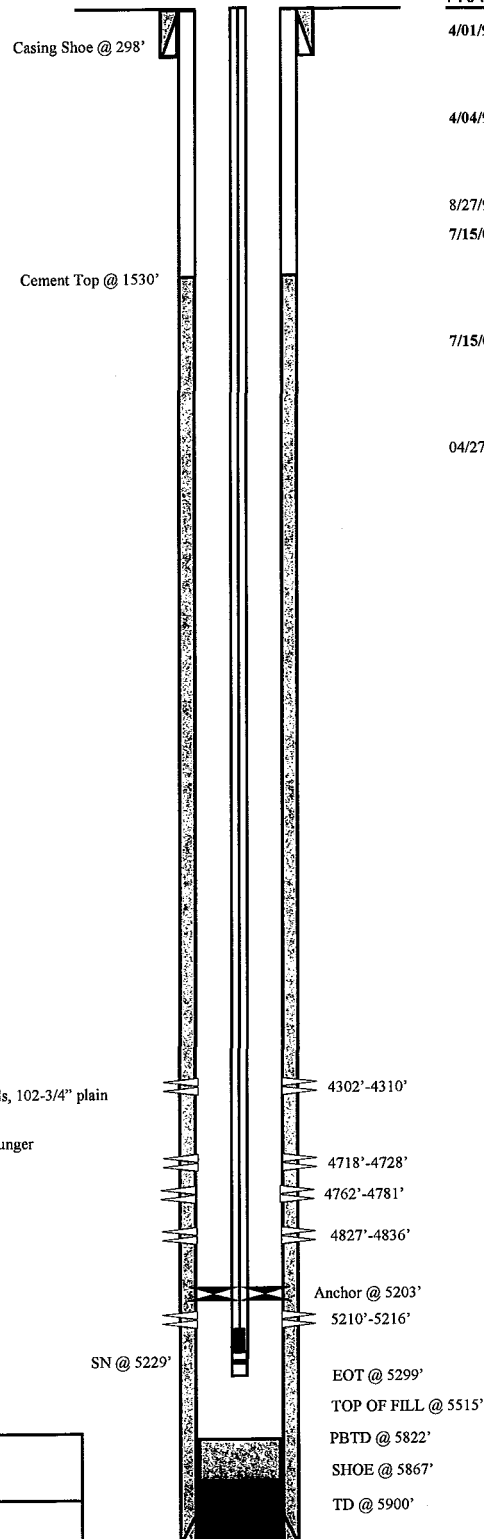
4/04/96 4302'-4310' **Frac sand as follows:**  
 50,090# 16/30 sand in 402 bbl 2% frac fluid.  
 ATP 3600 psi, ATR 31.6 bpm, ISIP 2450 psi.  
 Calc. Flush: 4302 gal. Actual flush: 4242 gal.

8/27/99 Pump change. Update rod and tubing details.

7/15/03 5210'-5216' **Frac A1 sands as follows:**  
 23,892#s of 20/40 sand in 215 bbls Viking 1-25 fluid. Treated @ avg press. Of 3370 w/avg rate of 14.7 bpm. ISIP 2200 psi. Calc flush: 1362 gal. Actual flush: 1260 gals.

7/15/03 4718'-4728' **Frac DS3 sands as follow:**  
 25,000#s of 20/40 sand in 200 bbls Viking 1-25 fluid. Treated @ avg press of 3880 psi w/avg rate of 14.7 bpm. ISIP 3960 psi. Calc flush: 1233 gal. Actual flush: 1134 gal.

04/27/05 Pump change. Update rod and tubing detail.

**PERFORATION RECORD**

3-28-96	4762'-4772'	4 holes
3-28-96	4775'-4778'	3 holes
3-28-96	4780'-4781'	1 holes
3-28-96	4827'-4836'	6 holes
4-03-96	4302'-4310'	4 JSPF 32 holes
7-13-03	5210'-5216'	4 JSPF 24 holes
7-15-03	4718'-4728'	4 JSPF 40 holes

**NEWFIELD****Monument Federal #11-9-9-16**

674 FNL &amp; 668 FWL

NWNW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-31618; Lease #UTU-020254

Attachment E-1

## South Wells Draw 14A-4-9-16

Spud Date: 1/17/2000  
Put on Production: 7/13/2000  
GL: 5711' KB: 5721'

Initial Production: 75 BOPD,  
90 MCFD, 4 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (305.07')  
DEPTH LANDED: 316'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 141 sxs Class "G" cmt, est 5 bbls cmt to surf

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55 & N-80  
WEIGHT: 15.5# & 17.0#  
LENGTH: 144 jts. (5861.96')  
DEPTH LANDED: 5859.76'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 816'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 182 jts (5658.64')  
TUBING ANCHOR: 5544'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: EOT @ 5705'  
SN LANDED AT: 5578'

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 4-1-1/2"x25' weight bars, 10-3/4" guided rods, 118-3/4" slick rods, 90-3/4" guided rods, 1-3/4"x6' pony rod.  
PUMP SIZE: 2-1/2" x 1-1/2" RHAC  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 8 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

#### FRAC JOB

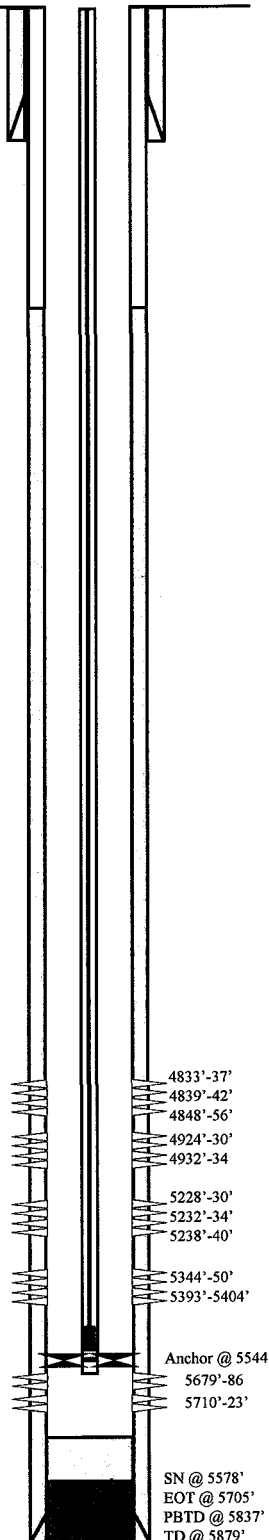
2/15/00 5679'-5723' **Frac CP sand as follows:**  
83,359# 20/40 sand in 487 bbls Viking I-25 fluid. Perfs broke down @ 3656 psi. Treated @ avg press of 1700 psi w/avg rate of 30 BPM. ISIP 2520 psi, 5 min 2392 psi.

2/15/00 5228'-5404' **Frac A/LDC sand as follows:**  
101,132# 20/40 sand in 578 bbls Viking I-25 fluid. Perfs broke down @ 3480 psi. Treated @ avg press of 2100 psi w/avg rate of 34 BPM. Had several small breaks & a large pressure break when bringing pumps up to rate. With approx 40 bbls left to flush, pressure was near maximum. Rate was decreased 25 BPM, then pressure dropped off approx 2000 psi & a full flush was achieved. ISIP 2380 psi, 5 min 2170 psi

2/15/00 4833'-4934' **Frac C/D sand as follows:**  
64,257# 20/40 sand in 332 bbls Viking I-25 fluid. Perfs broke down @ 2620 psi. Treated @ avg press of 2000 psi w/avg rate of 34 BPM. With 7# sand on perfs, pressure increased rapidly. Rate was increased & sand cut @ blender @ 8-1/2# but maximum pressure was reached before any flush water was pumped. Screened out with approx 38,257# sand in perfs and 25,000# sand left in csg.

#### PERFORATION RECORD

2/15/00	5710'-5723'	4 JSPF	52 holes
2/15/00	5679'-5686'	4 JSPF	28 holes
2/15/00	5393'-5404'	4 JSPF	44 holes
2/15/00	5344'-5350'	4 JSPF	24 holes
2/15/00	5238'-5240'	4 JSPF	8 holes
2/15/00	5228'-5230'	4 JSPF	8 holes
2/15/00	5232'-5234'	4 JSPF	8 holes
2/16/00	4932'-4934'	4 JSPF	8 holes
2/16/00	4924'-4930'	4 JSPF	24 holes
2/16/00	4848'-4856'	4 JSPF	32 holes
2/16/00	4833'-4837'	4 JSPF	16 holes
2/16/00	4839'-4842'	4 JSPF	12 holes



**NEWFIELD**

South Wells Draw #14A-4-9-16

731' FSL & 2030' FWL

SE/SW Section 4-T9S-R16E

Duchesne Co, Utah

API #43-013-32107; Lease #UTU-79832

## South Wells Draw X-4-9-16

Spud Date: 4/2/2009  
 Put on Production: 6/1/2009  
 GL: 5715' KB: 5727'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (313')  
 DEPTH LANDED: 325' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 169 jts (6172')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 6222.70'  
 CEMENT DATA: 280 sx Prem. Lite and 400 sx 50/50 poz  
 CEMENT TOP AT: 28'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 190 jts (5889')  
 TUBING ANCHOR: 5901' KB  
 NO. OF JOINTS: 1 jt (30.9')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5935' KB  
 NO. OF JOINTS: 2 jts (62.4')  
 TOTAL STRING LENGTH: EOT @ 5999'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'  
 SUCKER RODS: 1 - 2' x 7/8"; 1 - 4' x 7/8"; 1 - 8' x 7/8" pony rods, 232 - 7/8"  
 guided rods (8 per), 4-1 1/2" weight bars  
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' RHAC rod pump  
 STROKE LENGTH: 144"  
 PUMP SPEED, SPM: 5

FRAC JOB

6-10-09 5883-5948' **Frac CP3 & CP4 sands as follows:**  
 Frac with 29,550# of 20/40 sand in 249 bbls of Lightning 17 fluid.

6-10-09 5774-5792' **Frac CP2 sands as follows:**  
 Frac with 65,152# 20/40 sand in 395 bbls of Lightning 17 fluid.

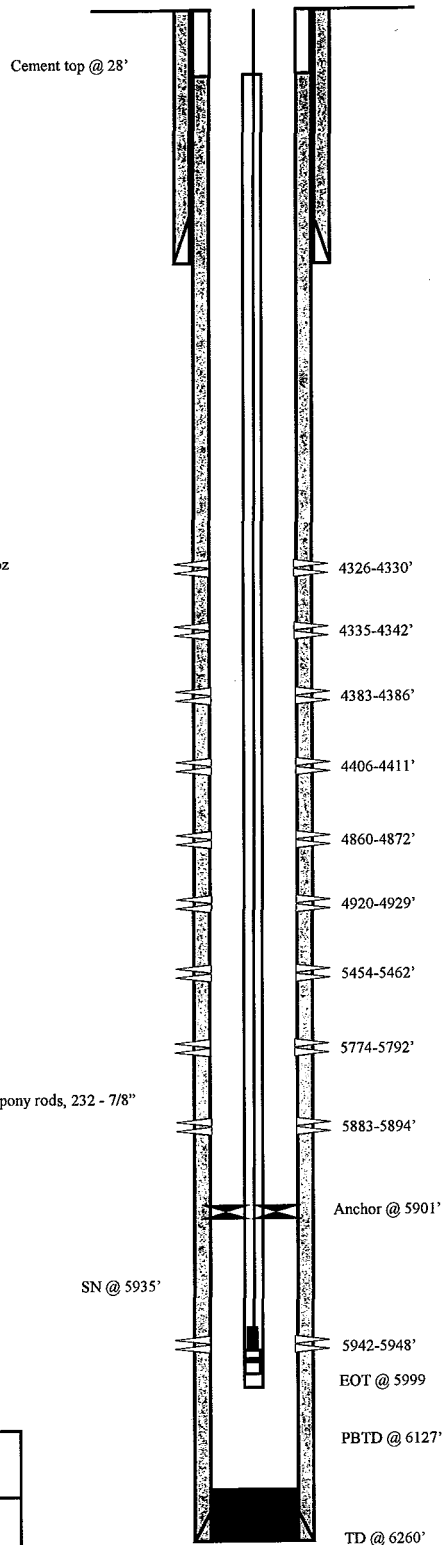
6-10-09 5454-5462' **Frac LODC sands as follows:**  
 Frac with 30,549# 20/40 sand in 244 bbls of Lightning 17 fluid.

6-10-09 4860-4929' **Frac D1 & D2 sands as follows:**  
 Frac with 55,172# 20/40 sand in 341 bbls of Lightning 17 fluid.

6-10-09 4326-4411' **Frac GB2 & GB4 sands as follows:**  
 Frac with 55,292# 20/40 sand in 346 bbls of Lightning 17 fluid.

PERFORATION RECORD

5942-5948' 4 JSPF 24 holes  
 5883-5894' 4 JSPF 44 holes  
 5774-5792' 4 JSPF 72 holes  
 5454-5462' 4 JSPF 32 holes  
 4920-4929' 4 JSPF 36 holes  
 4860-4872' 4 JSPF 48 holes  
 4406-4411' 4 JSPF 20 holes  
 4383-4386' 4 JSPF 12 holes  
 4335-4342' 4 JSPF 28 holes  
 4326-4330' 4 JSPF 16 holes



NEWFIELD

## South Wells Draw X-4-9-16

730' FSL &amp; 2044' FWL SE/SW

Section 4-T9S-R16E

Duchesne Co, Utah

API # 43-013-33880; Lease # UTU- 64379

## Balcron Monument Federal #14-4-9-16

Spud Date: 8-11-96  
 Put on Production: 9-9-96  
 GL: 5766' KB: 5776'

Initial Production: 33 BOPD, 0 MCFD  
 0 BWPD

**SURFACE CASING**

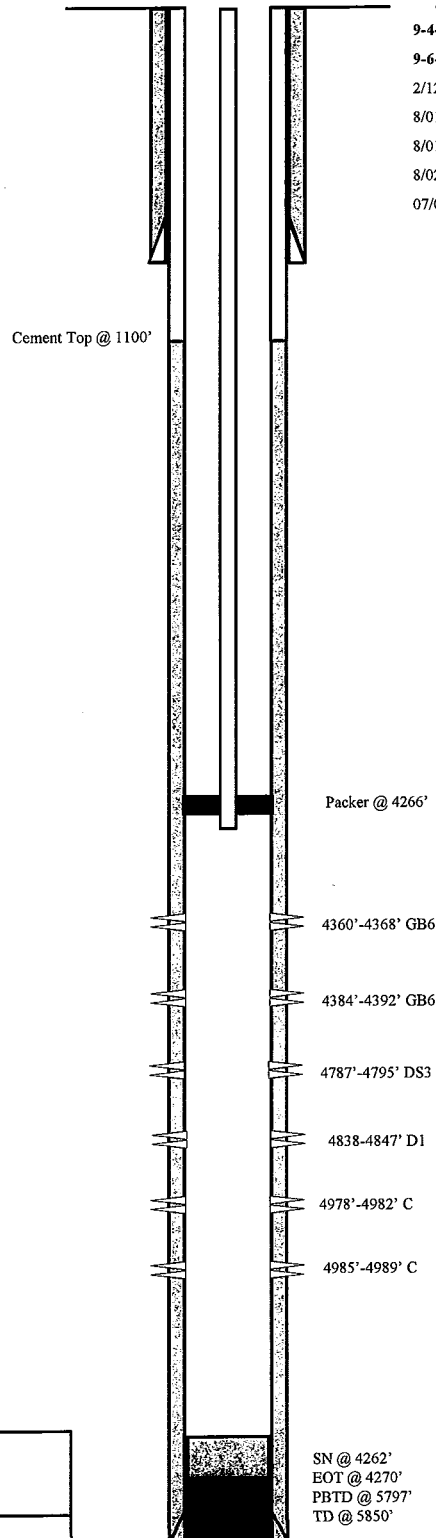
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 JTS (253')  
 DEPTH LANDED: 263'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts (5831.81)  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 270 sx Super G & 400 sx 50/50 Poz  
 CEMENT TOP AT: 1100'  
 SET AT: 5841'

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 137 jts (4252.04')  
 SN: @ 4262.04' KB  
 PACKER CE.: 4266.26' KB  
 TOTAL STRING LENGTH: EOT @ 4270.47' KB

**Injector Wellbore  
Diagram****FRAC JOB**

9-4-96 4978'-4989' 48,100# 16/30 sand, and 17,388 gals fluid.  
 9-6-96 4787'-4847' 96,400# 16/30 sand, and 28,476 gals fluid.  
 2/12/02 Tubing leak. Update rod and tubing details.  
 8/01/02 4360'-4368' 110 gal 15% HCl w/ .5 BPM @ 1700 psi.  
 8/01/02 4360'-4368' 110 gal 15% HCl w/ 1 BPM @ 1500 psi.  
 8/02/02 Convert to injector.  
 07/03/07 Five year MIT

**PERFORATION RECORD**

9/4/96	4985'-4989'	4 JSPF	16 holes
9/4/96	4978'-4982'	4 JSPF	16 holes
9/4/96	4838'-4847'	2 JSPF	18 holes
9/4/96	4787'-4795'	2 JSPF	16 holes
8/01/02	4384'-4392'	4 JSPF	32 holes
8/01/02	4360'-4368'	4 JSPF	32 holes



**Balcron Monument Federal #14-4-9-16**  
 719 FSL & 607 FWL  
 SWSW Section 4-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31666; Lease #U-73086

## South Wells Draw 16-5T-9-16

Spud Date: 4/11/03  
Put on Production: 7/11/03  
GL: 5810' KB: 5822'

Initial Production: 106 BOPD,  
86 MCFD, 19 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8 5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (292.42')  
DEPTH LANDED: 302.42' KB  
HOLE SIZE: 12 1/4"  
CEMENT DATA: 150 sxs Class "G" cmt, est 3.5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5 1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (6246.18')  
DEPTH LANDED: 6244.18' KB  
HOLE SIZE: 7 7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 187 jts (5892.92')  
TUBING ANCHOR: 5909.92' KB  
NO. OF JOINTS: 2 jts (62.89')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 5978.27 KB  
NO. OF JOINTS: 2 jts (63.00')  
TOTAL STRING LENGTH: EOT @ 6042.81' W/ KB

SUCKER RODS

POLISHED ROD: 1 1/2" x 22' SM  
SUCKER RODS: 6- 1 1/2" weight rods, 10- 3/4" scraped rods; 122- 3/4" plain rods, 99- 3/4" scraped rods, 1- 6', & 1- 2' x 3/4" pony rods  
PUMP SIZE: 2 1/2" x 1 1/2" x 10' x 14' RHAC  
STROKE LENGTH: 72"  
PUMP SPEED, SPM: 5 SPM

FRAC JOB

7/7/03 5730'-5964' **Frac CP.5 CP2, CP3, & CP4 sands as follows:**  
89,016# 20/40 sand in 697 Bbls Viking I-25 fluid. Treated @ avg. press of 1731 psi w/ avg rate of 24.5 BPM. ISIP: 1983 psi. Calc flush: 5728 gal. Actual flush: 5628 gal..

7/7/03 5291'-5333' **Frac A1 & A3 sands as follows:**  
52,556# 20/40 sand in 461 Bbls Viking I-25 fluid. Treated @ avg. press of 2040 psi w/ avg rate of 24.5 BPM. ISIP: 2270 psi. Calc flush: 5289 gal. Actual flush: 5208 gal.

7/7/03 4345'-4474' **Frac GB4, GB6, & PB7 sands as follows:**  
80,766# 20/40 sand in 576 Bbls Viking I-25 fluid. Treated @ avg. press of 1950 psi w/ avg rate of 24.7 BPM. ISIP: 2125 psi. Calc flush: 4343 gal. Actual flush: 4242 gal.

07/19/05 **Pump change.** Update tubing and rod details.  
02-09-07 **Tubing Leak:** Updated rod and tubing detail  
3/16/09 **Pump Change.** Updated r & t details.

PERFORATION RECORD

7/3/03	5958'-5964'	4 JSPF	24 holes
7/3/03	5924'-5928'	4 JSPF	16 holes
7/3/03	5916'-5919'	4 JSPF	12 holes
7/3/03	5816'-5820'	4 JSPF	16 holes
7/3/03	5747'-5750'	4 JSPF	12 holes
7/3/03	5730'-5744'	4 JSPF	56 holes
7/7/03	5322'-5333'	4 JSPF	44 holes
7/7/03	5291'-5297'	4 JSPF	24 holes
7/7/03	4815'-4817'	4 JSPF	8 holes
7/7/03	4808'-4813'	4 JSPF	20 holes
7/7/03	4470'-4474'	4 JSPF	16 holes
7/7/03	4384'-4389'	4 JSPF	20 holes
7/7/03	4345'-4357'	4 JSPF	48 holes

Cement Top @ Surface

Casing shoe @ 302'

SN @ 5978'

EOT @ 6043'

PBTD @ 6227'  
SHOE @ 6244'

TD @ 6253'

**NEWFIELD**

South Wells Draw 16-5T-9-16  
897' FSL & 823' FEL  
SE/SE Section 5-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32433 ; Lease #UTU-73086



## South Wells Draw U-5-9-16

Spud Date: 3/26/2009  
 Put on Production: 6/4/2009  
 GL: 5758' KB: 5770'

## Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (312')  
 DEPTH LANDED: 324' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'G' cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 154 jts (6273')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 6286.08'  
 CEMENT DATA: 300 sx Prem. Lite and 400 sx 50/50 poz  
 CEMENT TOP AT: 32'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 188 jts (5862')  
 TUBING ANCHOR: 5874' KB  
 NO. OF JOINTS: 1 jts (31.6')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5909' KB  
 NO. OF JOINTS: 2 jts (63.0')  
 TOTAL STRING LENGTH: EOT @ 5973'

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 30'  
 SUCKER RODS: 1 - 2' x 7/8" pony rod, 231- 7/8" guide rod (8 per),  
 4 - 1 1/2" weight bars.  
 PUMP SIZE: 2 1/2" x 1 3/4" x 20" RHAC  
 STROKE LENGTH: 120"  
 PUMP SPEED, SPM: 4

**FRAC JOB**

6-5-09 5884-5891' **Frac CP2 sands as follows:**  
 Frac with 19,931# 20/40 sand in 340 total bbls  
 inc Lightning 17 fluid.

6-5-09 5812-5820' **Frac CP1 sands as follows:**  
 Frac with 24,805# 20/40 sand in 207 bbls of  
 Lightning 17 fluid.

6-5-09 5344-5370' **Frac A1 sands as follows:**  
 Frac with 71,697# 20/40 sand in 620 total bbls  
 inc Lightning 17 fluid.

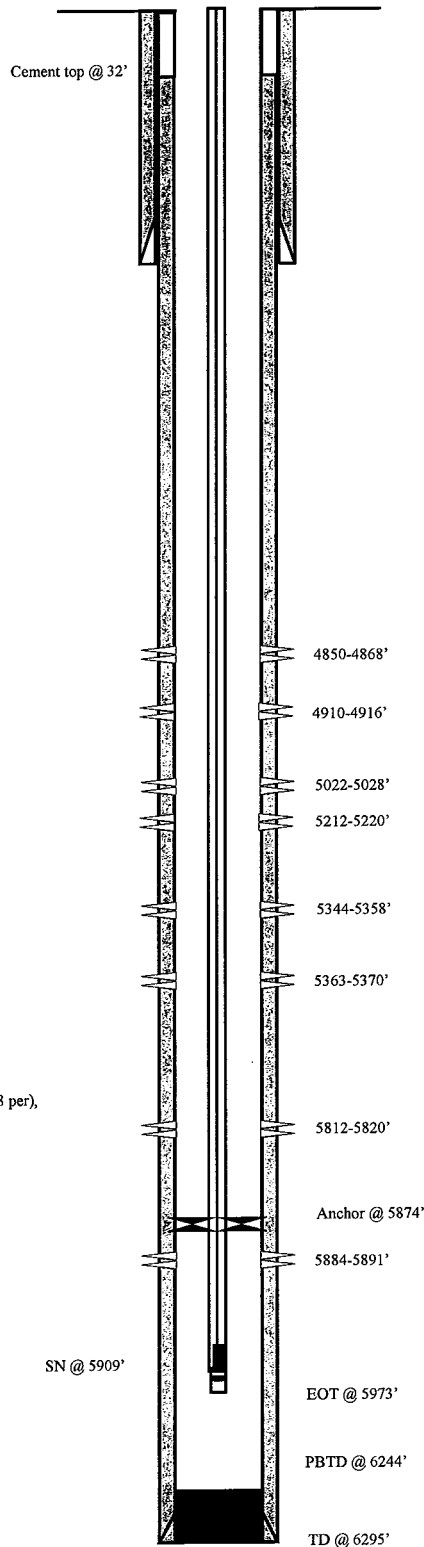
6-5-09 5212-5220' **Frac B2 sands as follows:**  
 Frac with 24,698# 20/40 sand in 207 bbls of  
 Lightning 17 fluid.

6-5-09 5022-5028' **Frac D3 sands as follows:**  
 Frac with 25,367# 20/40 sand in 165 bbls of  
 Lightning 17 fluid.

6-5-09 4850-4916' **Frac D1 & DS3 sands as follows:**  
 Frac with 97,338# 20/40 sand in 597 bbls of  
 Lightning 17 fluid.

**PERFORATION RECORD**

5884-5891' 4 JSPF 28 holes  
 5812-5820' 4 JSPF 32 holes  
 5363-5370' 4 JSPF 28 holes  
 5344-5358' 4 JSPF 56 holes  
 5212-5220' 4 JSPF 32 holes  
 5022-5028' 4 JSPF 24 holes  
 4910-4916' 4 JSPF 24 holes  
 4850-4868' 4 JSPF 72 holes

**NEWFIELD****S Wells Draw U-5-9-16**

697' FNL &amp; 647' FWL NW/NW

Section 5-T9S-R16E

Duchesne Co, Utah

API # 43-013-33981; Lease # UTU-73086

## SWD Fed #B-8-9-16

Spud Date: 06/11/08  
Put on Production: 10/13/08

GL: 5852' KB: 5864'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (312.79')  
DEPTH LANDED: 324.64'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 9 bbls cmt to surf.

**PRODUCTION CASING**

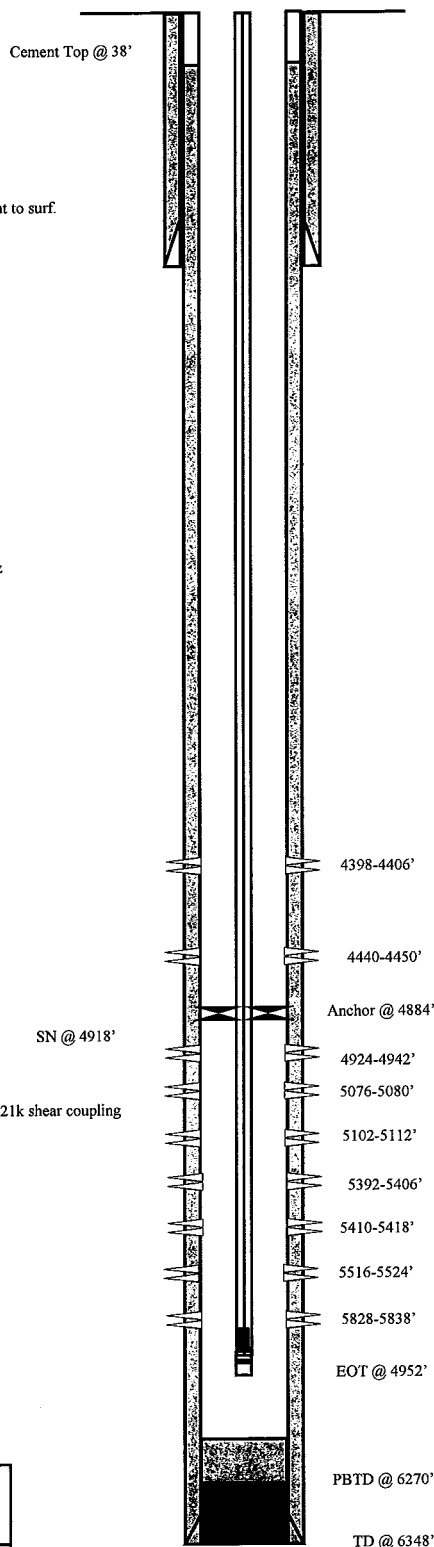
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts (6316.75')  
DEPTH LANDED: 6330'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sx Premlite II and 450 sx 50/50 Poz  
CEMENT TOP AT: 38'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55/  
NO. OF JOINTS: 157 jts (4872.21')  
TUBING ANCHOR: 2.80 @ 4884.21  
NO. OF JOINTS: 1 jts (30.85')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4917.86  
NO. OF JOINTS: 1 (30.85)  
TOTAL STRING LENGTH: EOT @ 4951.91'

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 26' polished rod  
SUCKER RODS: 191-7/8" guided (8 per), 4-1 1/2" wt bars, 21k shear coupling  
PUMP SIZE: 2 1/2" x 2" x 24' RHBC CDI  
STROKE LENGTH: 120'  
PUMP SPEED, SPM: 5

**Wellbore Diagram****FRAC JOB**

7/15/08 5828-5838' **Frac CP.5 sds as follows:**  
24,700# 20/40 sand in 369 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2765 psi @ ave rate of 23 BPM. ISIP 2282 psi. Actual flush: 5326 gals.

7/15/08 5516-5524' **Frac LODC sds as follows:**  
25,258# 20/40 sand in 358 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2103 psi @ ave rate of 23.1 BPM. ISIP 1740 psi. Actual flush: 5011 gals.

7/15/08 5392-5406' **Frac A1 sds as follows:**  
100,294# 20/40 sand in 743 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2210 psi @ ave rate of 23 BPM. ISIP 1740 psi. Actual flush: 4889 gals.

7/16/08 5076-5080' **Frac C sds as follows:**  
59,951# 20/40 sand in 506 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2103 psi @ ave rate of 23 BPM. ISIP 2180 psi. Actual flush: 4570 gals.

7/16/08 4924-4942' **Frac D1 sds as follows:**  
128,411# 20/40 sand in 906 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2326 psi @ ave rate of 25.6 BPM. ISIP 2411 psi. Actual flush: 4418 gals.

7/16/08 4398-4406' **Frac GB4 & GB6 sds as follows:**  
99,112# 20/40 sand in 716 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2003 psi @ ave rate of 25.7 BPM. ISIP 2008 psi. Actual flush: 4326 gals.

**PERFORATION RECORD**

4398-4406'	4 JSPF	32 holes
4440-4450'	4 JSPF	40 holes
4924-4942'	4 JSPF	72 holes
5076-5080'	4 JSPF	16holes
5102-5112'	4 JSPF	40 holes
5392-5406'	4 JSPF	56 holes
5410-5418'	4 JSPF	32 holes
5516-5524'	4 JSPF	32 holes
5828-5838'	4 JSPF	40 holes

**NEWFIELD**

SWD Fed #B-8-9-16  
527' FNL & 2066' FEL  
NWNE Section 8-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33764; Lease #UTU-020255

TW 03/02/09

Spud Date: 3/17/96  
 Put on Production: 4/19/96  
 Put on Injection: 3/10/02  
 GL: 5811' KB: 5828'

# Monument Federal #41-8-9-16

Initial Production: 100 BOPD, 0 MCFD  
 15 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 JTS  
 DEPTH LANDED: 260'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class "G" cmt w/2% CaCl & 1/4#/sx cello flakes

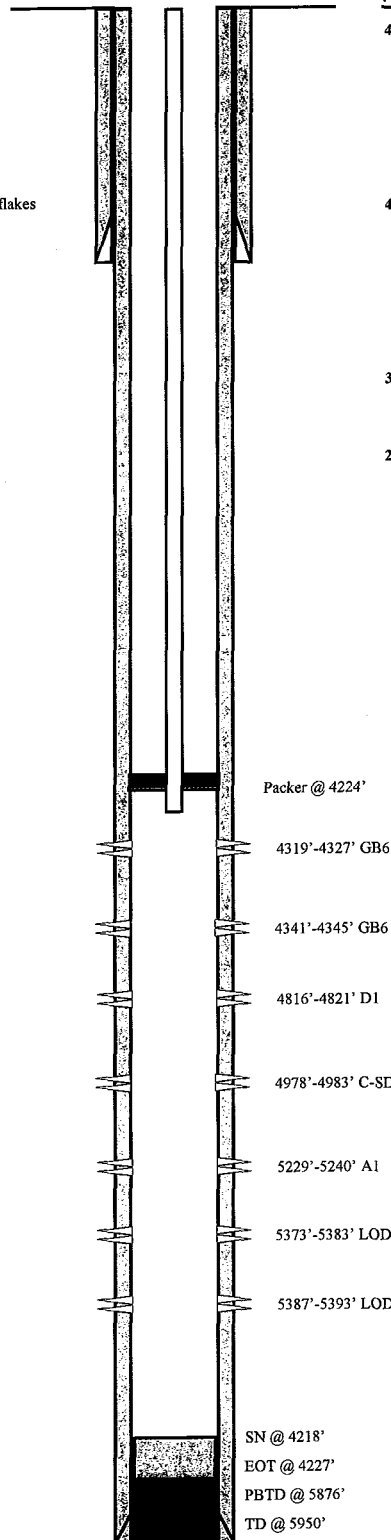
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts (5856.58')  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx Super "G" & 350 sx Poz 50/50  
 SET AT: 5919.18' KB

## TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 131 jts. (4201.84')  
 SEATING NIPPLE: 2-7/8"  
 SN LANDED AT: 4218.84'  
 PACKER: 4224.14'  
 TOTAL STRING LENGTH: EOT @ 4227.25'

Injection Wellbore  
 Diagram



## FRAC JOB

**4-1-96 5229'-5240'** Frac sand as follows:  
 19,698 gals 2% KCL wtr, 26,280# 20/40 sand and 42,600# 16/30 sand. ATP: 2050 psi, ATR: 30.8 bpm, ISIP: 4400 psi, 5 min: 1690 psi, 10 min: 1410 psi, 15 min: 1320 psi. Used 469 bbls wtr. Screen out w/61,655# sand on formation.

**4-4-96 4816'-4983'** Frac sand as follows:  
 18,942 gals 2% KCL gelled wtr and 60,100# 16/30 sd. ATP = 3700 psi, ATR = 34 bpm, ISIP = 5100 psi, 5 min: 1650 psi, 10 min: 1460 psi, 15 min: 1400 psi. Used 451 bbls wtr. Screen out w/51,207# sand on formation. Flow back 1 bpm. 1-1/2 hrs = 90 bbls flow back.

**3/08/02** Convert to injector. Update tubing details.

**2/21/07** 5 Year MIT completed and submitted.

## PERFORATION RECORD

Date	Interval	Tool	Holes
3/27/96	5229'-5240'	4 JSPF	44 holes
4/03/96	4978'-4983'		7 holes
4/03/96	4816'-4821'		7 holes
3/04/02	5387'-5393'	4 JSPF	24 holes
3/04/02	5373'-5383'	4 JSPF	40 holes
3/04/02	4341'-4345'	4 JSPF	16 holes
3/04/02	4319'-4327'	4 JSPF	32 holes

**NEWFIELD**

**Monument Federal #41-8-9-16**

806 FNL & 605 FEL

NENE Section 8-T9S-R16E

Duchesne Co, Utah

API #43-013-31619; Lease #U-020255

## Federal 8-8-9-16

Spud Date: 1-25-07  
 Put on Production: 5-1-07  
 GL: 5862' KB: 5874'

## Wellbore Diagram

Initial Production: BOPD,  
 MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.37')  
 DEPTH LANDED: 323.22' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts (6189.94')  
 DEPTH LANDED: 6203.19' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 94'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 192 jts (6066.48')  
 TUBING ANCHOR: 6078.48' KB  
 NO. OF JOINTS: 1 jts (31.64')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6112.92' KB  
 NO. OF JOINTS: 2 jts (63.14')  
 TOTAL STRING LENGTH: EOT @ 6177.61' KB

SUCKER RODS

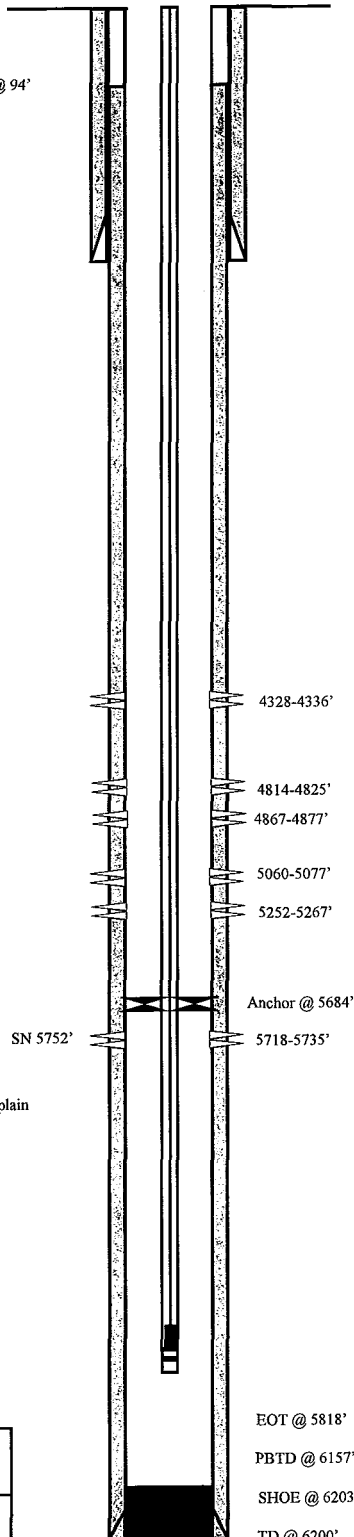
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2' X 3/4" pony rods, 99- 3/4" guided rods, 129- 3/4" plain rods, 10- 3/4" guided rods, 6- 1 1/2" weighted rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14.5' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

FRAC JOB

04-23-07	5718-5735'	<b>Frac CP1 sands as follows:</b> 80674# 20/40 sand in 619 bbls Lightning 17 frac fluid. Treated @ avg press of 2351 psi w/avg rate of 24.8 BPM. ISIP 2148 psi. Calc flush: 5716 gal. Actual flush: 5208 gal.
04-24-07	5252-5267'	<b>Frac a1 sands as follows:</b> 80738# 20/40 sand in 608 bbls Lightning 17 frac fluid. Treated @ avg press of 1873 psi w/avg rate of 23.9 BPM. ISIP 2166 psi. Calc flush: 5250 gal. Actual flush: 4788 gal.
04-24-07	5060-5077'	<b>Frac B1 sands as follows:</b> 75928# 20/40 sand in 549 bbls Lightning 17 frac fluid. Treated @ avg press of 1782 psi w/avg rate of 24.5 BPM. ISIP 2088 psi. Calc flush: 5058 gal. Actual flush: 4578 gal.
04-24-07	4814-4877'	<b>Frac D2, &amp; D1 sands as follows:</b> 151956# 20/40 sand in 1015 bbls Lightning 17 frac fluid. Treated @ avg press of 1787 w/ avg rate of 25.1 BPM. ISIP 2055 psi. Calc flush: 4812 gal. Actual flush: 4326 gal.
04-24-07	4328-4336'	<b>Frac GB6 sands as follows:</b> 40746# 20/40 sand in 378 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 w/ avg rate of 25.1 BPM. ISIP 1819 psi. Calc flush: 4326 gal. Actual flush: 4242 gal.

PERFORATION RECORD

04-17-07	5718-5735'	4 JSPF	68 holes
04-23-07	5252-5267'	4 JSPF	60 holes
04-24-07	5060-5077'	4 JSPF	68 holes
04-24-07	4867-4877'	4 JSPF	40 holes
04-24-07	4814-4825'	4 JSPF	44 holes
04-24-07	4328-4336'	4 JSPF	32 holes

**NEWFIELD****Federal 8-8-9-16**

2102' FNL &amp; 536' FEL

SE/NE Section 8-T9S-R16E

Duchesne Co, Utah

API # 43-013-33057; Lease # UTU-79833



## South Wells Draw #21-9Y-9-16

Spud Date: 8/23/93  
Put on Production: 9/30/93  
GL: 5747' KB: 5753'

Initial Production: 50 BOPD, 75 MCFD  
20 BWPD

**SURFACE CASING**

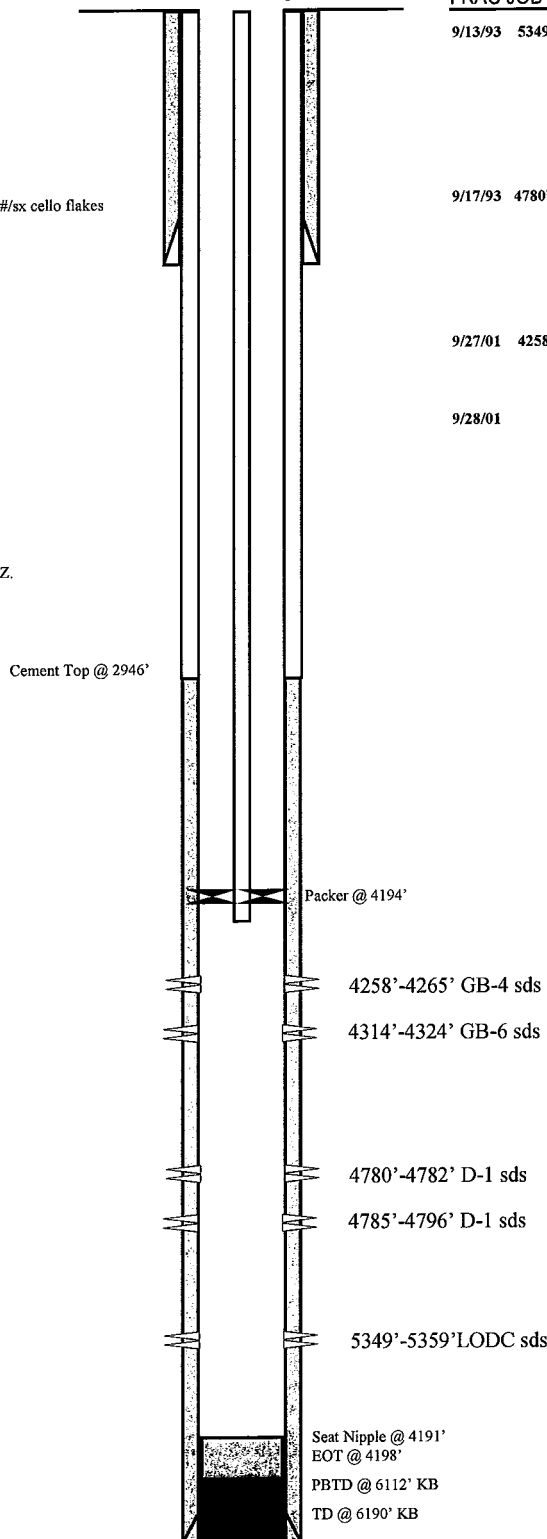
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 JTS - 266.25'  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sx Class "G" cmt w/2% CaCl & 1/4#/sx cello flakes

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 6154.48'  
SET AT: 6162.48' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 188 sx Class "G" & 125 sx 50/50 POZ.  
CEMENT TOP AT: 2946' KB

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
NO. OF JOINTS: 135 (4190.16')  
SN LANDED AT: 4191.26' KB  
TUBING PACKER: 4194.27  
TOTAL STRING LENGTH: 4198.57'

**Injection****Wellbore Diagram****FRAC JOB**

9/13/93 5349'-5359' **Acid job/Breakdown:**  
ATP = 2500 psi, ATR = 3.8 bpm, ISIP = 2200 psi.  
**Frac sand as follows:**  
42,329# 16/30 sand w/402 bbls gelled KCL  
wtr. ISIP = 2582 psi, 5 min = 2280 psi, 10 min = 2032 psi, 15 min = 1826 psi.

9/17/93 4780'-4796' **Acid job/Breakdown:**  
Balled out. ATP = 2500 psi, ATR = 8 bpm.  
**Frac sand as follows:**  
20,000# 16/30 sand w/443 bbls gelled KCL  
wtr. ATP = 2000 psi, ATR = 20 bpm, ISIP = 1760 psi, 15 min = 1500 psi.

9/27/01 4258'-4324' **Breakdown as follows:**  
Pressure up to 2700 psi, broke back to 1500 psi @ 1.25 BPM, ISIP 1500 psi.

9/28/01 Convert to injector well. Ready for MIT.

**PERFORATION RECORD**

9-9-93	5349'-5359'	2 JSPF	20 holes
9-16-93	4780'-4782'	2 JSPF	4 holes
9-16-93	4785'-4796'	2 JSPF	22 holes
9-27-01	4314'-4324'	4 JSPF	40 holes
9-27-01	4258'-4265'	4 JSPF	32 holes



**Balcron Federal #21-9Y-9-16**  
476 FNL & 2051 FWL  
NENW Section 9-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31396; Lease #U-65207

## Monument Federal #13-4-9-16

Spud Date: 1-6-97  
Put on Production: 2-4-97  
GL: 5761' KB: 5773'

Initial Production: 65 BOPD, 116 MCFD  
0 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 5 JTS (253')  
DEPTH LANDED: 263'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 skx Class G cement

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 275 sks Prem Lite & 500 sks 50/50 Poz mix  
CEMENT TOP AT: 785'  
SET AT: 5925'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
NO. OF JOINTS: 144 jts (4558.22')  
36 jts new (1142.08')  
TUBING ANCHOR: 5710.30' KB  
NO. OF JOINTS: 2 jts (64.56')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5777.66' KB  
NO. OF JOINTS: 2 jt (62.23')  
TOTAL STRING LENGTH: EOT @ 5841.44' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22'  
SUCKER RODS: 1-2', 1-4' x 3/4" pony rod, 88-3/4" guided rods, 85-3/4" slick rods, 50-3/4" guided rods, 6-1 1/2" wt bars  
PUMP SIZE: 1-25-150 RHAC 12-4-13-16  
STROKE LENGTH: 131"  
PUMP SPEED, SPM:  
LOGS: DLL/GR, LDT/CNL

FRAC JOB

01/21/97 5281'-5345' 27,000#s 320/40 sand, 66,900# 16/30 sand, and 27,678 gals fluid. Treated w/avg rate of 30.8 BPM w/ avg press of 1690 psi. ISIP-1920 psi  
02/13/02 Tubing leak. Update rod and tubing details.  
03/13/03 Parted polished rod. Update rod detail.  
02/08/05 5741'-5821' Frac CP1 and CP.5 sands as follows: 49276#s of 20/40 sand in 408 bbls of lighting 17 fluid. Treated w/avg press of 3750 psi @ avg rate of 14.3 bpm. ISIP 2400 psi. Calc flush: 5739 gal. Actual flush: 1419 gal.  
02/08/05 5120'-5136' Frac B1 sands as follows: 40,000#s of 20/40 sand in 380 bbls of lighting 17 fluid. Treated w/avg press of 2189 psi @ avg rate of 24.8 bpm. ISIP 2140 psi. Calc flush: 1965 gal. Actual flush: 4909 gal.  
02/09/05 4390'-4400' Frac GB6 sands as follows: 25,402#s of 20/40 sand in 268 bbls of lighting 17 fluid. Treated w/avg press of 2095 psi @ avg rate of 24.7 bpm. ISIP 2140 psi. Calc flush: 4388 gal. Actual flush: 4305 gal.  
07/11/06 Tubing Leak Rod & Tubing detail updated.

PERFORATION RECORD

02/07/05 5816'-5821' 4JSPF 20 holes  
02/07/05 5808'-5811' 4JSPF 12 holes  
02/07/05 5741'-5751' 4JSPF 40 holes  
01/18/97 5328'-5345' 4JSPF 68 holes  
01/18/97 5308'-5317' 4JSPF 36 holes  
01/18/97 5281'-5286' 4JSPF 20 holes  
02/07/05 5130'-5136' 4JSPF 24 holes  
02/07/05 5120'-5125' 4JSPF 20 holes  
02/09/05 4390'-4400' 4JSPF 40 holes

CEMENT TOP @ 785'

Anchor @ 5710'

SN @ 5778'

5808'-5811'

5816'-5821'

EOT @ 5841'

PBTD @ 5924'

SHOE @ 5969'

TD @ 6000'



## Monument Federal #13-4-9-16

2050 FSL &amp; 660 FWL

NWSW Section 4-T9S-R16E

Duchesne Co, Utah

API #43-013-31716; Lease #U-73086

## SWD Federal #R-4-9-16

Spud Date: 6-4-08  
Put on Production: 7-25-08  
GL: 5603' KB: 5615'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 24#  
LENGTH: 7 jts (318.08')  
DEPTH LANDED: 328.08'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: To surface with 160 sx Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 17#  
LENGTH: 141 jts 6236'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sx Premilite II and 450 sx 50/50 Poz  
CEMENT TOP AT: 46'

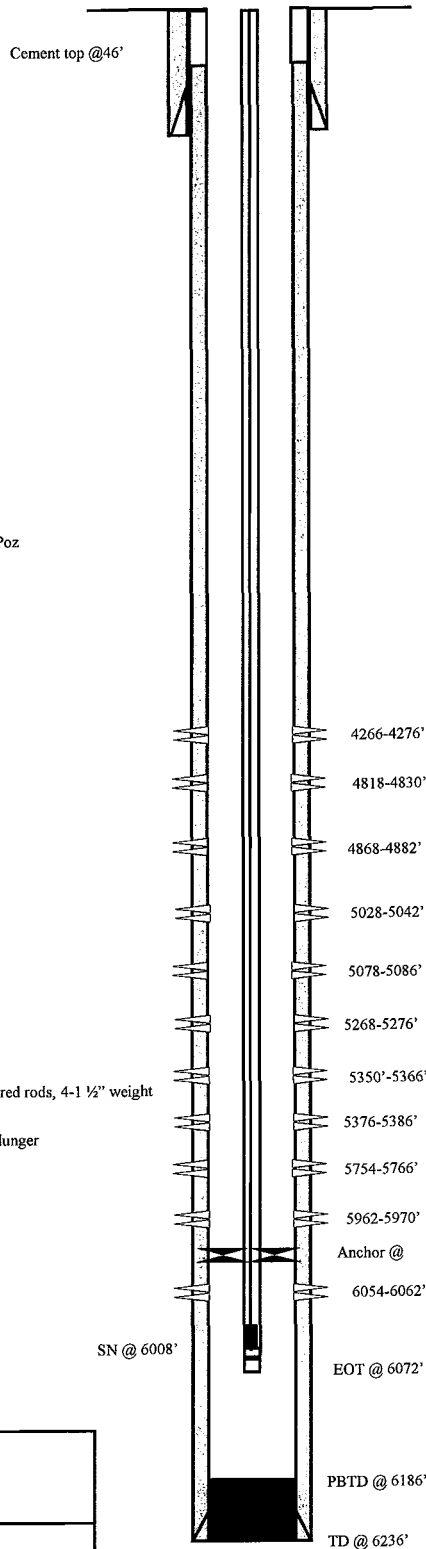
**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
NO. OF JOINTS: 194 jts (5961.58')  
TUBING ANCHOR: 5973.58' KB  
NO. OF JOINTS: 1 jt (31.46')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 6007.74'  
NO. OF JOINTS: 2 jts (62.88')  
TOTAL STRING LENGTH: EOT @ 6072.17'

**SUCKER RODS**

POLISHED ROD: 1-1/2"x 26'  
SUCKER RODS: 2-2' x 7/8" pony rods, 238- 7/8" scraped rods, 4-1 1/2" weight rods  
PUMP SIZE: cdi 2 1/2" x 1 3/4" x 21' RHAC pump w/sm plunger  
STROKE LENGTH: 122"  
PUMP SPEED, SPM: 4 SPM

## Wellbore Diagram

**FRAC JOB**

7-21-08 6054-6062' **Frac CP5 sds as follows:**  
23,841#s of 20/40 sand in 382 bbls of Lightning 17 fluid. ISIP 2024 psi.

7-21-08 5962-5970' **Frac CP4 sds as follows:**  
25,330#s of 20/40 sand in 374 bbls of Lightning 17 fluid. ISIP 2269

7-21-08 5350-5366' **Frac LODC sds as follows:**  
65,317#s of 20/40 sand in 558 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2133 psi w/ ave rate of 22.8 BPM. ISIP 2848 psi.

7-21-08 5268-5276' **Frac A1 sds as follows:**  
24,872#s of 20/40 sand in 359 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2382 psi w/ ave rate of 23.0 BPM. ISIP 2247 psi.

7-21-08 5028-5042' **Frac B.5 & B1 sds as follows:**  
50,070#s of 20/40 sand in 455 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2137 psi w/ ave rate of 22.7 BPM. ISIP 2194 psi.

7-21-08 4818-4830' **Frac D1 & D2 sds as follows:**  
130,336#s of 20/40 sand in 911 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2239 psi w/ ave rate of 22.9 BPM. ISIP 2435 psi.

7-21-08 4266-4276' **Frac GB2 sds as follows:**  
24,830#s of 20/40 sand in 911 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2239 psi w/ ave rate of 22.9 BPM. ISIP 2435 psi.

**PERFORATION RECORD**

4266-4276'	4 JSPF	40 holes
4818-4830'	4 JSPF	48 holes
4868-4882'	4 JSPF	56 holes
5028-5042'	4 JSPF	64 holes
5078-5086'	4 JSPF	32 holes
5268-5276'	4 JSPF	32 holes
5350-5366'	4 JSPF	64 holes
5376-5386'	4 JSPF	40 holes
5754-5766'	4 JSPF	48 holes
5962-5970'	4 JSPF	32 holes
6054-6062'	4 JSPF	32 holes

**NEWFIELD**

SWD Federal #R-4-9-16  
2053' FSL & 2051' FEL  
NE/SE Section 4-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33763; Lease #UTU-77338



## SO WELLS DRAW FED 2-9-9-16

Spud Date: 01/23/2007  
Put on Production: 04/04/07

GL: 5788' KB: 5800'

## Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.69')  
DEPTH LANDED: 323.54' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est ? bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (6146')  
DEPTH LANDED: 6159.25' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP: 198'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 167 jts (5296.08')  
TUBING ANCHOR: 5308.08' KB  
NO. OF JOINTS: 1 jts (31.68')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5342.56' KB  
NO. OF JOINTS: 2 jts (63.69')  
TOTAL STRING LENGTH: EOT @ 5407.80' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-2' 1-6", & 1-8" x 3/4" ponies, 99-3/4" scraped rods, 97-3/4" plain rods 10- scraped rods, 6-1/2" weight rods.  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 15' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, 4.5 SPM:

FRAC JOB

03/28/07	5300-5268'	<b>Frac A3 &amp; A1 sands as follows:</b> 145339# 20/40 sand in 995 bbls Lightning 17 frac fluid. Treated @ avg press of 1734 psi w/avg rate of 25 BPM. ISIP 2166 psi. Calc flush: 5298 gal. Actual flush: 4788 gal.
03/29/07	5125-5131'	<b>Frac B2 sands as follows:</b> 30012# 20/40 sand in 371 bbls Lightning 17 frac fluid. Treated @ avg press of 2040 psi w/avg rate of 25 BPM. ISIP 1717 psi. Calc flush: 5123 gal. Actual flush: 4662 gal.
02/29/07	5000-4990'	<b>Frac C sands as follows:</b> 90319# 20/40 sand in 657 bbls Lightning 17 frac fluid. Treated @ avg press of 1715 psi w/avg rate of 25.1 BPM. ISIP 2000 psi. Calc flush: 4998 gal. Actual flush: 4494 gal.
03/29/07	4840-4845'	<b>Frac D1 sands as follows:</b> 24650# 20/40 sand in 325 bbls Lightning 17 frac fluid. Treated @ avg press of 2370 psi w/avg rate of 24.9 BPM. ISIP 2321 psi. Calc flush: 4838 gal. Actual flush: 4334 gal
03/29/07	4542-4550'	<b>Frac PB10 sands as follows:</b> 36645# 20/40 sand in 347 bbls Lightning 17 frac fluid. Treated @ avg press of 2057 psi w/avg rate of 24.9 BPM. ISIP 2290 psi. Calc flush: 4540 gal. Actual flush: 4452 gal
10/28/09		Pump Change. Updated rod & tubing details.

PERFORATION RECORD

03/22/07	5300-5311'	4 JSPF	44 holes
03/22/07	5279-5294'	4 JSPF	60 holes
03/22/07	5262-5268'	4 JSPF	24 holes
03/28/07	5125-5131'	4 JSPF	24 holes
03/29/07	5000-5005'	4 JSPF	20 holes
03/29/07	4974-4990'	4 JSPF	64 holes
03/29/07	4840-4845'	4 JSPF	20 holes
03-29-07	4542-4550'	4 JSPF	32 holes

Cement Top @ 198'

SN 5343'

Anchor @ 5308'

5300-5311'

EOT @ 5408'

PBTD @ 5897'

SHOE @ 6423'

TD @ 6429'

**NEWFIELD**

**So Wells Draw Fed. 2-9-9-16**

978'FNL & 1965' FEL

NW/NE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32956; Lease # UTU-65207

## FEDERAL 6-9-9-16

Spud Date: 02/19/07  
Put on Production: 03/28/07  
GL: 5782' KB: 5794'

## Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.37')  
DEPTH LANDED: 323.87' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (6098.92')  
DEPTH LANDED: 6112.17' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 182 jts (5739.27')  
TUBING ANCHOR: 5751.27' KB  
NO. OF JOINTS: 1 jts (31.52')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5785.59' KB  
NO. OF JOINTS: 2 jts (63.19')  
TOTAL STRING LENGTH: EOT @ 5850.33' KB

SUCKER RODS

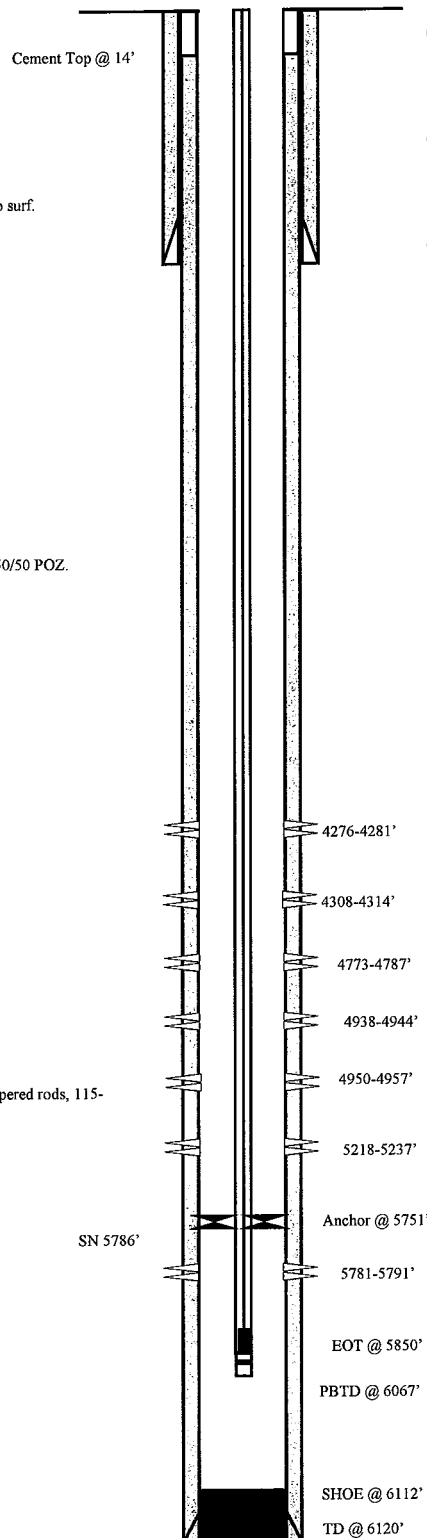
POLISHED ROD: 1-1/2" x 22' SM polished rods  
SUCKER RODS: 1-2' & 1-8' x 3/4" pony rods, 99-3/4" scraped rods, 115-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 15" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, 5 SPM:

FRAC JOB

03/21/07	6221-6229'	<b>Frac CP3 sands as follows:</b> 14389# 20/40 sand in 290 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 25 BPM. ISIP 1775 psi. Calc flush: 6219 gal. Actual flush: 5250 gal.
03/21/07	5218-5237'	<b>Frac A1 sands as follows:</b> 80163# 20/40 sand in 599 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25 BPM. ISIP 2150 psi. Calc flush: 5216 gal. Actual flush: 4704 gal.
03/22/07	4938-4957'	<b>Frac C sands as follows:</b> 44913# 20/40 sand in 407 bbls Lightning 17 frac fluid. Treated @ avg press of 1737 psi w/avg rate of 25 BPM. ISIP 1940 psi. Calc flush: 4936 gal. Actual flush: 4410 gal.
03/22/07	4773-4787'	<b>Frac D1 sands as follows:</b> 85267# 20/40 sand in 613 bbls Lightning 17 frac fluid. Treated @ avg press of 1663 psi w/avg rate of 25.1 BPM. ISIP 2055 psi. Calc flush: 4771 gal. Actual flush: 2055 gal.
03/22/07	4314-4276'	<b>Frac GB6 &amp; GB4 sands as follows:</b> 23837# 20/40 sand in 276 bbls Lightning 17 frac fluid. Treated @ avg press of 2018 psi w/avg rate of 25 BPM. ISIP 2304 psi. Calc flush: 4312 gal. Actual flush: 4200 gal.

PERFORATION RECORD

03/19/07	5781-5791'	4 JSPF	40 holes
03/21/07	5218-5237'	4 JSPF	76 holes
03/21/07	4950-4957'	4 JSPF	28 holes
03/21/07	4938-4944'	4 JSPF	24 holes
03/22/07	4773-4787'	4 JSPF	56 holes
03/24/07	4308-4314'	4 JSPF	24 holes
03/22/07	4276-4281'	4 JSPF	20 holes



NEWFIELD

FEDERAL 6-9-9-16

1969' FNL &amp; 1994' FWL

SE/NW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32957; Lease # UTU-79833

Spud Date: 3/11/65  
 Put on Production: 4/12/65  
 P&A: 2/15/74  
 GL: 5811' KB: 5821'

## Castle Peak Unit #9-5-9-16

Initial Production: 102 BOPD,  
 50 MCFD, 3 BWPD

Cumm. Production: 24,918 BO,  
 37,861 MCFG, 0 BW.

### SURFACE CASING

CSG SIZE 9-5/8"  
 GRADE H-40  
 WEIGHT 32.5#  
 DEPTH LANDED 221' KB  
 HOLE SIZE  
 CEMENT DATA 150 sxs cement

### PRODUCTION CASING

CSG SIZE 4-1/2"  
 GRADE J-55  
 WEIGHT 11.6#  
 DEPTH LANDED 5862' KB  
 HOLE SIZE  
 CEMENT DATA 450 cubic feet cement  
 CEMENT TOP AT ? per CBL

P&A

Wellbore Diagram

### FRAC JOB

**Frac sands as follows:**  
 48,000# sand in 909 bbls water Treated @  
 avg press of 4500 psi w/avg rate of 50 BPM  
 Started to screen out Flush with 3948 gal  
 ISIP 1800 psi

10 sacks cement to surface

4602'-5747'

35 sacks cement @ 170'-270'

35 sacks cement @ 1270'-1370'

35 sacks cement @ 4100'-4200'

20 sacks cement @ 4400'-4600'

4602'-4605'

5299'-5302'

5331'-5341'

5739'-5747'

TD @ 6065'

### PERFORATION RECORD

5739'-5747'	1 JSPF	8 holes
5331'-5341'	1 JSPF	10 holes
5299'-5302'	1 JSPF	3 holes
4602'-4605'	1 JSPF	3 holes



Castle Peak #9-5-9-16  
 819' FSL & 763' FEL  
 SESE Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-15787; Lease #U-34217-A

# FEDERAL W-4-9-16

Spud Date:-3-4-10  
Put on Production: 4-7-10  
GL:5116 ' KB:5128 '

## Wellbore Diagram

## FRAC JOB

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (309.57')  
DEPTH LANDED: 322.42'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 145jts. (62.750')  
HOLE SIZE: 7-7/8"  
TOTAL DEPTH: 6292.55'  
CEMENT DATA: 276sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 40 '

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 187 jts (5876.1')  
TUBING ANCHOR: 5888.1 '  
NO. OF JOINTS: 1jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.1')  
SN LANDED AT: 5922.3' KB  
NO. OF JOINTS: 1jts 31.5')  
TOTAL STRING LENGTH: EOT @ 6055'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
SUCKER RODS: 1 - 2' x 7/8" pony rods, 1-4' x 7/8" pony rods,  
232- 7/8" 8per guided rods, 4- 1 1/2" weight bars.  
PUMP SIZE: 2 1/2 x 1 3/4 x 20' x 24' RHAC  
STROKE LENGTH: 144  
PUMP SPEED: SPM 4

Cement Top @40 '

SN @ 5922'

4381-4382'

4386-4389'

4400-4407'

4889-4893'

4955-4957'

4964-4967'

5049-5051'

5084-5086'

5094-5098'

5119-5121'

5140-5144'

5466-5470'

5484-5487'

5498-5500'

5756-5758'

5781-5785'

Anchor @5888 '

6043-6047'

6050-6052'

EOT @6055'

6170-6175'

PBTD @ 6247'

TD @6914 '

4-6-10 6043-6175'

**Frac CP5 & BS1 sands as follows:**  
Frac with 24346# 20/40 sand in 219bbls  
Lightning 17.

4-6-10 6546-6674'

**Frac CP5 & CP1 sands as follows:**  
Frac with 14092# 20/40 sand in 130 bbls  
Lightning 17 fluid

4-6-10 5466-5500'

**Frac LOCD sands as follows:**  
Frac with 60790# 20/40 sand in 382 bbls  
Lightning 17 fluid

4-6-10 5049-5121'

**Frac C, B.5 & B1 sands as follows:**  
Frac with 99748# 20/40 sand in 619bbls  
Lightning 17.

4-6-10 4889-4967'

**Frac D1&D2 sands as follows:**  
Frac with 50255# 20/40 sand in 320bbls  
Lightning 17 fluid

4-6-10 43814407'

**Frac GB6sands as follows:** Frac with  
31761# 20/40 sand in 223bbls  
Lightning 17 fluid

## PERFORATION RECORD

6170-6175'	3 JSPF	15holes
6050-6052'	3 JSPF	6 holes
6043-6047'	3 JSPF	12 holes
5781-5785'	3 JSPF	12 holes
5756-5758'	3 JSPF	6 holes
5498-5500'	3 JSPF	6 holes
5484-5487'	3 JSPF	9 holes
5466-5470'	3 JSPF	12 holes
5140-5144'	3 JSPF	12 holes
5119-5121'	3 JSPF	6 holes
5094-5098'	3 JSPF	12holes
5084-5086'	3 JSPF	6 holes
5049-5051'	3 JSPF	6 holes
4964-4967'	3 JSPF	9 holes
4955-4957'	3 JSPF	6holes
4889-4893'	3 JSPF	12 holes
4400-4407'	3 JSPF	21 holes
4386-4389'	3 JSPF	9holes
4381-4382'	3 JSPF	3holes

**NEWFIELD**

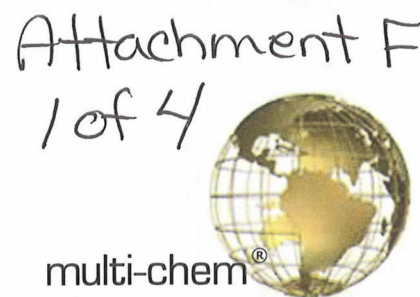


**Federal W-4-9-16**  
SL: 733'FSL & 1904' FEL (SW/SE)  
Section 4, T9S, R16E  
Duchesne Co, Utah  
API # 43-013-34097;Lease

MB-05-17-10

# Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-37093**

Well Name: **11-9-9-16**

Sample Point: **Tank**

Sample Date: **2 /16/2010**

Sales Rep: **Randy Huber**

Lab Tech: **John Keel**

Sample Specifics	
Test Date:	2/19/2010
Temperature (°F):	100
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0140
pH:	7.5
Turbidity (NTU):	-
Calculated T.D.S. (mg/L)	19306
Molar Conductivity (µS/cm):	29252
Resistivity (Mohm):	0.3419

Analysis @ Properties in Sample Specifics			
Cations		mg/L	Anions
Calcium (Ca):	80.00		Chloride (Cl):
Magnesium (Mg):	-		Sulfate (SO₄):
Barium (Ba):	10.00		Dissolved CO₂:
Strontium (Sr):	-		Bicarbonate (HCO₃):
Sodium (Na):	7281.00		Carbonate (CO₃):
Potassium (K):	-		H₂S:
Iron (Fe):	5.40		Phosphate (PO₄):
Manganese (Mn):	0.04		Silica (SiO₂):
Lithium (Li):	-		Fluoride (F):
Aluminum (Al):	-		Nitrate (NO₃):
Ammonia NH₃:	-		Lead (Pb):
			Zinc (Zn):
			Bromine (Br):
			Boron (B):

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl											
		Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂	
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi	
Temp °F	Gauge Press. psi												
100	0	2.44	3.74	0.00	-2923.70	0.00	-3073.70	-	-	0.00	-9.18	0.70	
80	0	1.78	2.28	0.00	-25.49	0.00	-3258.60	-	-	0.00	-6.70	0.34	
100	0	2.44	3.74	0.00	-20.92	0.00	-3073.80	-	-	0.00	-9.18	0.42	
120	0	3.13	5.04	0.00	-17.34	0.00	-2795.40	-	-	0.00	-12.21	0.47	
140	0	3.85	6.29	0.00	-14.45	0.00	-2463.80	-	-	0.00	-15.83	0.52	
160	0	4.57	7.46	0.00	-12.13	0.00	-2113.70	-	-	0.00	-20.08	0.59	
180	0	5.22	8.49	0.00	-10.27	0.00	-1771.30	-	-	0.00	-25.04	0.64	
200	0	5.75	9.26	0.00	-8.81	0.00	-1454.10	-	-	0.00	-30.76	0.65	
220	2.51	6.04	9.81	0.00	-7.79	0.00	-1187.30	-	-	0.00	-37.91	0.66	
240	10.3	6.19	9.91	0.00	-6.97	0.00	-941.99	-	-	0.00	-45.65	0.67	
260	20.76	6.14	9.64	0.00	-6.40	0.00	-734.84	-	-	0.00	-54.52	0.68	
280	34.54	5.93	9.06	0.00	-6.01	0.00	-563.54	-	-	0.00	-64.69	0.69	
300	52.34	5.58	8.28	0.00	-5.78	0.00	-424.45	-	-	0.00	-76.35	0.70	

### Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate Scaling Index is negative from 80°F to 300°F

### Notes:





## Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory

1553 East Highway 40

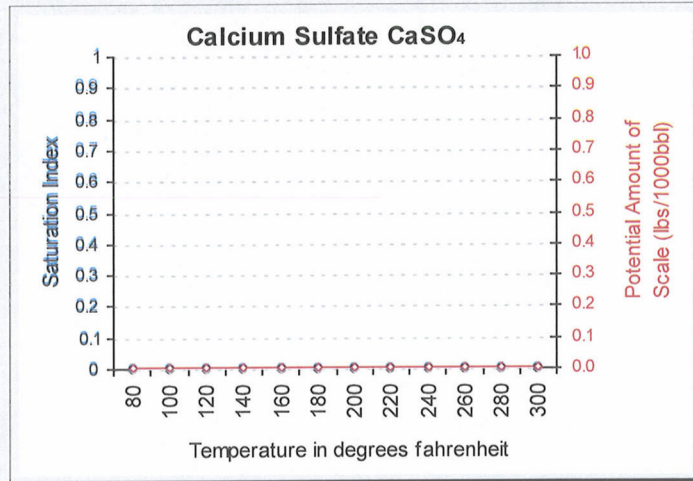
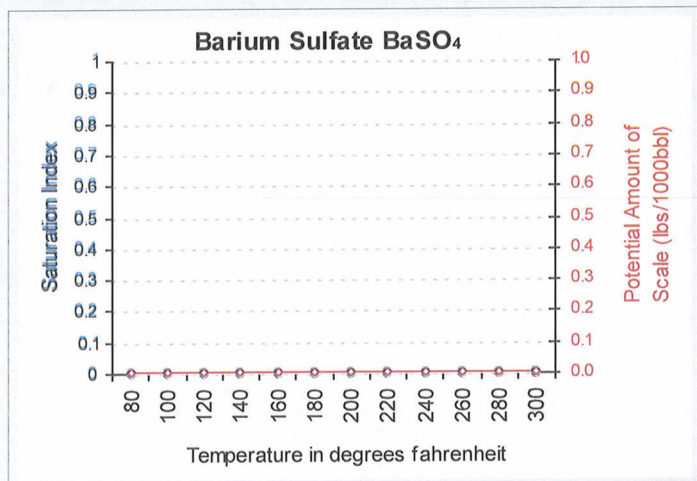
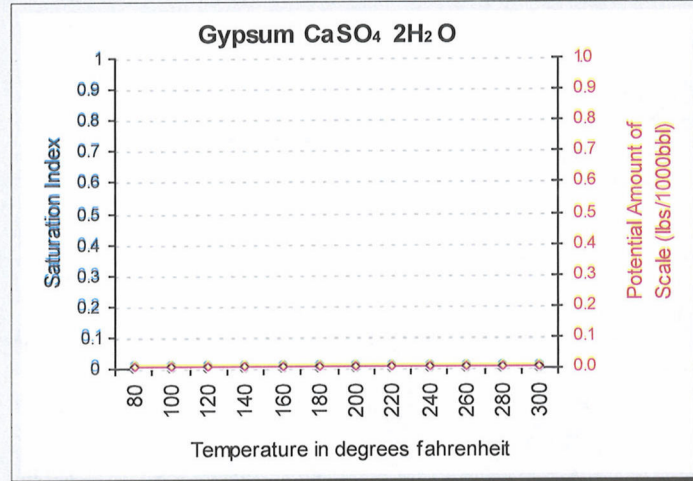
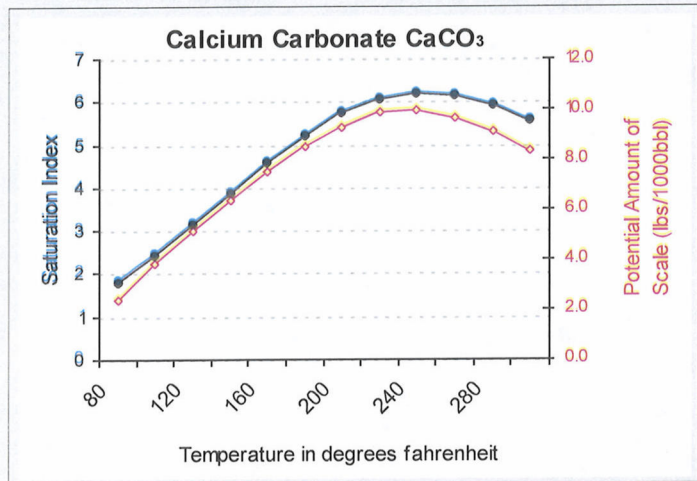
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### Scale Prediction Graphs

Well Name: 11-9-9-16

Sample ID: WA-37093





**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

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**Water Analysis Report**Production Company: **NEWFIELD PRODUCTION (158)**Sample ID: **WA-35269**Well Name: **SOUTH WELLS DRAW INJ**Sample Point: **Tri-plex suction**Sample Date: **1 /5 /2010**Sales Rep: **Randy Huber**Lab Tech: **John Keel**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/5/2010	<b>Cations</b>	<b>mg/L</b>	<b>Anions</b>	<b>mg/L</b>
Temperature (°F):	100	Calcium (Ca):	40.00	Chloride (Cl):	7000.00
Sample Pressure (psig):	0	Magnesium (Mg):	48.80	Sulfate (SO <sub>4</sub> ):	347.00
Specific Gravity (g/cm³):	1.0080	Barium (Ba):	3.00	Dissolved CO <sub>2</sub> :	-
pH:	8.5	Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	1854.00
Turbidity (NTU):	-	Sodium (Na):	5221.00	Carbonate (CO <sub>3</sub> ):	-
		Potassium (K):	-	H <sub>2</sub> S:	2.00
		Iron (Fe):	2.29	Phosphate (PO <sub>4</sub> ):	-
		Manganese (Mn):	0.18	Silica (SiO <sub>2</sub> ):	-
		Lithium (Li):	-	Fluoride (F):	-
Calculated T.D.S. (mg/L):	14518	Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
Molar Conductivity (µS/cm):	21997	Ammonia NH <sub>3</sub> :	-	Lead (Pb):	-
Resistivity (Mohm):	0.4546			Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub>
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
Temp °F	Gauge Press. psi											
100	0	18.63	61.28	0.01	-2464.50	0.00	-2627.60	-	-	19.57	4.84	0.12
80	0	14.85	60.19	0.01	65.24	0.00	-2798.30	-	-	29.93	4.93	0.07
100	0	18.63	61.28	0.01	76.56	0.00	-2627.60	-	-	19.57	4.84	0.08
120	0	21.65	59.58	0.01	82.61	0.01	-2371.20	-	-	13.09	4.71	0.09
140	0	23.90	57.39	0.01	83.93	0.01	-2066.00	-	-	8.93	4.52	0.10
160	0	25.14	55.68	0.01	81.37	0.01	-1744.20	-	-	6.21	4.27	0.11
180	0	25.30	54.75	0.01	76.58	0.01	-1430.50	-	-	4.39	3.93	0.12
200	0	24.51	54.39	0.01	70.28	0.02	-1141.40	-	-	3.14	3.46	0.12
220	2.51	22.80	54.08	0.01	62.89	0.03	-898.26	-	-	2.22	2.79	0.12
240	10.3	20.78	51.88	0.01	53.89	0.04	-678.18	-	-	1.62	1.93	0.12
260	20.76	18.51	46.86	0.01	45.00	0.07	-494.29	-	-	1.19	0.80	0.12
280	34.54	16.19	40.18	0.02	37.07	0.11	-344.07	-	-	0.88	-0.70	0.12
300	52.34	13.94	33.58	0.02	30.34	0.19	-223.92	-	-	0.65	-2.65	0.12

**Conclusions:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate NO CONCLUSION

**Notes:**





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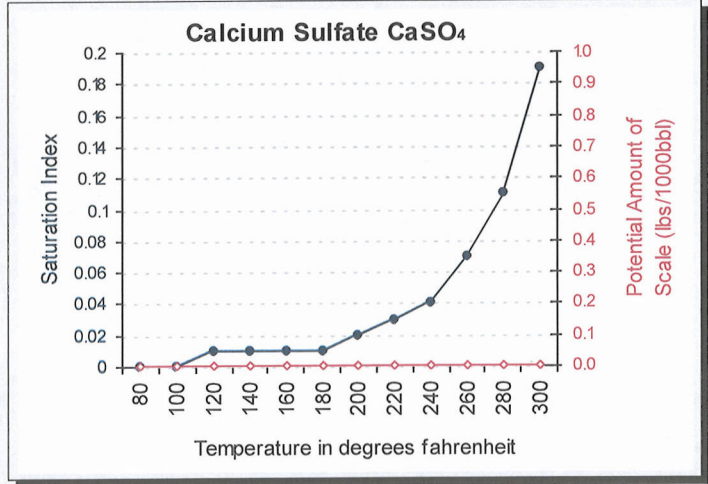
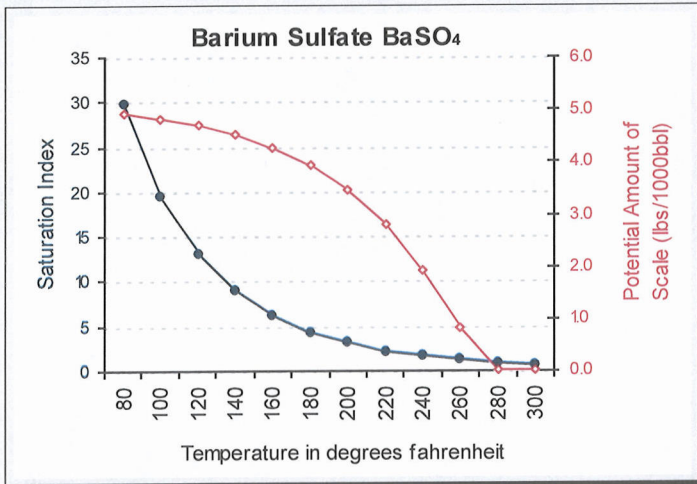
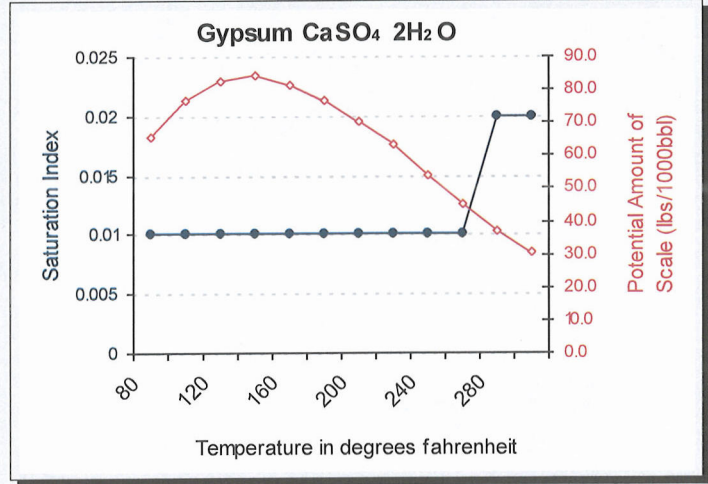
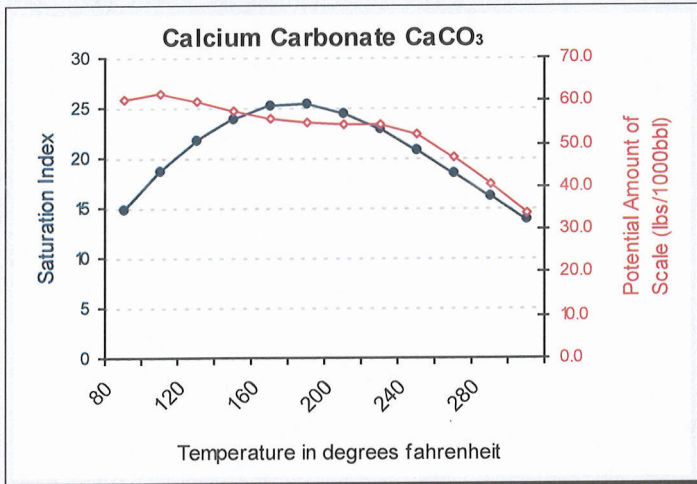
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### Scale Prediction Graphs

Well Name: **SOUTH WELLS DRAW INJ**

Sample ID: **WA-35269**





**Attachment "G"**

**Monument Federal 11-9-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4762	4836	4799	3500	1.17	3469
4302	4310	4306	2450	1.00	2422
5210	5216	5213	2200	0.86	2166 ←
4718	4728	4723	3960	1.27	3929
				<b>Minimum</b>	<u>2166</u>

**Calculation of Maximum Surface Injection Pressure**

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
where pressure gradient for the fresh water is .433 psi/ft and  
specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

DAILY OPERATING REPORTMONUMENT FEDERAL #11-9-9-16

Location: NW NW Section 9, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

Prospect: Monument Butte

03/27/96

Present Operation: Run 5-1/2" csg

Run 5-1/2", J-55, 15.5# csg as follows:

Shoe	.90'
Shoe jt	44.10'
Float collar	1.10'
133 jts csg	5,810.60'
KB	10.00'
Total csg length	5,856.70'
Depth landed	5,866.70'KB
PBTD	5,820.60'KB

Cement by BJ Services as follows: Lead - 265 sxs super "G", 47#/sx G + 3#/sx poz + 34#/sx BA-91 + 3% salt + 2% gel + 2#/sx Hi-seal2 + 1/4#/sx cello flake. Tail - 348 sxs 50/50 pox + 2% gel + 1/4#/sx cello flake + 2#/sx Hi-seal2. Plug down @ 8:30 P.M. Release Rig @ 12:30 A.M. Shut down, ready to move.

DC: \$20,000

CC: \$126,020

03/27/96

Completion

MIRU Basin Well Service Rig #2. NU 5M well head, NU BOP. TIH w/4-3/4" bit, csg scrapper and 182 jts 2-7/8" tbg. Tag PBTD at 5,822'KB. Circulate hole clean w/130 bbls 2% KCL wtr. Press test csg to 1,000psi, ok. Pull out of hole w/30 jts tbg. SWIFD.

DC: \$3,751

CC: \$129,771

03/28/96

Completion

Continue out of hole w/tbg and tools. RU Cutter Wire Line to run CBL and perforate. Run CBL from 5,806'KB to 1,300'KB. TOC at 1,530'KB. Perforate 4,827' - 36', 6 holes and 4,762' - 81', 8 holes. RD Cutter Wire Line. TIH w/RBP, retrieving tool, 2-3/8" x 6' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN, and 149 jts 2-7/8" tbg. Set BP at 4,805'KB. Set pkr at 4,689'KB. Set EOT at 4,701'. RU BJ Services to do HCL break down on 4,762' - 81'. Break down with 1,000 gals 15% HCL and 1,394 glas wtr. ATP = 2,000psi, ATR = 3.8 bpm, ISIP = 1,400psi. Used 33 bbls wtr, 24 bbls HCL. Flow back 10 bbls wtr. Reset BP at 4,890'KB, pkr at 4,794'KB. Break dow 4,827' - 36' with 1,000 gals 15% HCL and 1,394 gals wtr. ATP = 2,000psi, ATR = 3.8 bpm, ISIP = 1,400psi. Used 33 bbls wtr and 24 bbls HCL. Communicated to 4,781' perfs. Flow back 20 bbls wtr. Reset pkr at 4,689'KB. Made 16 swab runs, recovered 10 bbls oil and 47 bbls wtr. Oil 55% last 3 runs. 400' of fluid entry at 30 min. Fluid level at 4,300' last 3 runs. SWIFN.

DC: \$10,386

CC: \$140,157

DAILY OPERATING REPORT

**MONUMENT FEDERAL #11-9-9-16**

**Location:** NW NW Section 9, T9S, R16E  
Duchesne County, Utah  
Monument Butte

---TIGHT HOLE---

- 03/29/96      Completion  
Flow back 3 bbls oil, lines plugged, flush tbg and lines w/10 bbls 2% KCL wtr. Made 16 swab runs. Recovered 32 bbls oil and 7 bbls wtr, good gas. Average 250' fluid entry at 1/2 hour. Oil 90% to 99%. Ed Forsman w/BLM witnessed oil production. TOO H w/tbg, pkr and retrieving tool. SWI until 4-1-96.  
DC: \$1,672      CC: \$141,829
- 04/01/96      Completion  
RU BJ Services to frac 4,762' - 4,836'. Frac w/33,180 gals 2% KCL wtr and 110,000 lbs 16/30 sand. ATP = 3,800psi, ATR = 35.5 bpm, ISIP = 3,500psi, 5 min = 1,410psi, 10 min = 1,350psi, 15 min = 1,290psi, 30 min = 1,180psi. Used 790 bbls wtr. Start forced closure flow back. Flow back .5 bpm. Flowed back 135 bbls wtr, trace sand. SWIFN.  
DC: \$35,702      CC: \$177,531
- 04/02/96      Completion  
Bleed well down, flow back 10 bbls wtr. TIH w/retrieving tool, 2-3/8" x 6' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN and 147 jts 2-7/8" tbg. Tag sand at 4,720'KB. Circulate down to 4,880'KB. Pull up and set pkr at 4,689'KB. Made 6 swab runs. Well started flowing. Flow back 20 bbls fluid. Made 12 swab runs. Recovered 67 bbls oil and 114 bbls wtr. Trace sand. Oil 60% last 4 runs. Fluid level from surface to 400'. Good gas throughout all runs. SWIFD.  
DC: \$2,261      CC: \$179,792
- 04/03/96      Completion  
Flow well, flow back 22 bbls oil, 1 bbls wtr, no sand. Well quit flowing. Flush tbg w/10 bbls wtr. Made 2 swab runs. Recovered 10 bbl oil, 10 bbls wtr. Well started flowing. Flow back 8 bbls oil, 2 bbls wtr, no sand. Release pkr, tag sand at 4850'KB. Circulate down to BP at 4890'KB. Release BP. Used 80 bbls wtr. Reset BP at 4360'KB. Press test to 2000psi, ok. TOO H w/tbg, pkr and retrieving tool. RU Cutters Wire Line and perf 4302' - 10', 4 SPF. RD Cutters Wire Line. TIH w/retrieving tool, 2-3/8" x 6' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN, and 132 jts tbg. Set pkr at 4232'KB, EOT at 4244'KB. SWIFD.  
DC: \$5,381      CC: \$185,173
- 04/04/96      Completion  
RU BJ Services to break down 4,302' - 10'. Break down w/1,932 gals 2% KCL wtr. ATP = 2,000psi, ATR = 4 bpm, ISIP = 1,650psi. Used 46 bbls wtr. TOO H w/tbg, pkr and retrieving tool. Flow back 15 bbls wtr. Frac 4,302' - 10'. Fraced w/16,882 gals 2% KCL gelled wtr and 50,090 lbs 16/30 sand. ATP = 2,600psi, ATR = 31.6 bpm, ISIP = 2,450psi, 5 min = 1,880psi, 10 min = 1,770psi, 15 min = 1,660psi. Used 402 bbls wtr. Start forced closure flow back .5 bpm. Flow back 75 bbls of wtr. SWIFN.  
DC: \$21,586      CC: \$206,759

**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #11-9-9-16**

**Location:** NW NW Section 9, T9S, R16E

**Duchesne County, Utah  
Monument Butte****---TIGHT HOLE---**

04/05/96

**Completion**

Bleed well down, flow back 30 bbls wtr. TIH w/retrieving tool, 2-3/8" x 6' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN and 134 jts 2-7/8" tbg. Flow back 20 bbls wtr. Tag sand at 4,309'KB. Circulate down to 4,360'KB. Pull up and set pkr at 4,232'KB. Made 30 runs at 10 min intervals. Swab well down to SN at 4,226'KB. Made 6 runs at 1/2 hour intervals. Fluid entry 400' @ run. Recovered 16 bbls oil and 77 bbls wtr. Oil 30% last 5 runs. Fluid level @ 3,800' last 6 runs. No sand last 5 runs. Gas cut 24 runs. SWI until 04/08/96.

DC: \$1,946

CC: \$208,705

04/08/96

**Completion**

Bleed well down. Tag fluid at 1550' from surface. Release pkr, tag sand at 4355'KB. Circulate down to BP at 4360'KB. Release BP, TOOH w/tbg, pkr & BP. TIH w/production string (tbg):

	<u>Length</u>	<u>Depth KB</u>
1 - Notched Collar	.44'	4887.61'
1 - jt 2-7/8", EUE, J-55, 8rd, 6.5#	26.90'	4887.17'
1 - Perf Sub 2-7/8" x 4'	4.10'	4860.27'
1 - Seat Nipple 2-7/8"	1.10'	4856.17'
19 - jts 2-7/8", EUE, J-55, 8rd, 6.5#	619.00'	4855.07'
1 - tbg anchor 2-7/8" x 5-1/2" (TRICO)	2.75'	4236.07'
132 - jts 2-7/8", EUE, J-55, 8rd, 6.5#	4223.32'	4233.32'
KB	10.00'	

ND BOP, ND 5M well head, NU 3M well head. Set tbg anchor w/10" tension (12,000#). Flange up well head. TIH w/production string (rods):

- 1 - DHP, 2-1/2" x 1-1/2" x 16' RHAC w/ SM plunger (TRICO #1157)
- 1 - Pony, 1" x 2' w/2-1/2" guides
- 1 - K-Bar 1-1/2" x 25'
- 1 - Pony 1" x 2' w/2-1/2" guides
- 192 - 3/4" x 25' D-54 Plain
- 1 - 3/4" x 6' Pony
- 1 - 3/4" x 4' Pony
- 1 - 3/4" x 2' Pony
- 1 - Polish rod 1-1/4" x 22' SM

Press test DHP & tbg to 1000psi, OK. Used 9 bbls wtr. RDMO

DC: \$22,752

CC: \$231,457

04/09/96

SI Waiting on Surface Equipment. Drop from report.

04/16/96

**Completion**

Initial production 3/29/96. Witnessed by Ed Forsman - BLM. Start well pumping @ 12:00 PM on 4/16/96.-

DC: \$29,597

CC: \$261,054



Attachment G-1  
4 of 10

### DAILY WORKOVER REPORT

WELL NAME: Monument Federal 11-9-9-16

Report Date: July 13, 2003

Day: 01

Operation: Re-complete

Rig: Pool #820

#### WELL STATUS

Surf Csg: 8 5/8 @ 298' Prod Csg: 5 1/2 @ 5867' WT: 15.5# Csg PBTD: 5822'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 976' BP/Sand PBTD:

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4302-4310'	4/32			
D sds	4762-4781'	8 holes			
D sds	4827-4836'	6 holes			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: July 12, 2003

SITP: 0 SICP: 0

MIRU Pool #820. RU HO trk & pump 100 BW dn casing @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods W/ 65 BW @ 250°F. Re-seat pump & strip off flow T. Fill tbg W/ 2 BW & pressure test tbg to 3500 psi. Retrieve rod string & unseat pump. TOH W/ rod string. LD btm 39-3/4" plain & pump. ND wellhead. Release TA @ 4821'. NU BOP. TOH & talley production tbg to 976'. SIFN W/ est 167 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date: 0  
Fluid lost/recovered today: 167 Oil lost/recovered today:   
Ending fluid to be recovered: 167 Cum oil recovered: 0  
IFL:  FFL:  FTP:  Choke:  Final Fluid Rate:  Final oil cut:

#### TUBING DETAIL

##### AS PULLED:

KB 10.00'  
150 2 7/8 J-55 tbg  
TA @ 4821'  
1 2 7/8 J-55 tbg  
SN @ 4855'  
1 2 7/8 J-55 tbg  
2 7/8 NC @ 4884'

#### ROD DETAIL

##### AS PULLED:

1 1/2" X 22' polished rod  
1-2' & 2-6' X 3/4" pony rods  
40-3/4" scraped rods  
142-3/4" plain rods  
10-3/4" scraped rods  
1-1 1/2" weight rod  
2 1/2" X 1 1/2" X 16' RHAC pmp

#### COSTS

Pool rig	\$2,404
Weatherford BOP	\$130
IPC wtr & truck	\$800
Zubiate HO trk	\$574
Randys' pump repair	\$1,000
Randys' TA repair	\$400
IPC trucking	\$1,000
Weatherford scraper	\$300
Tiger truck (frac tks)	\$800
IPC supervision	\$300

Workover Supervisor: Gary Dietz

DAILY COST: \$7,708  
TOTAL WELL COST: \$7,708



## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 11-9-9-16Report Date: July 14, 2003Day: 02Operation: Re-completeRig: Pool #820

## WELL STATUS

Surf Csg: 8 5/8 @ 298' Prod Csg: 5 1/2 @ 5867' WT: 15.5# Csg PBTD: 5822'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 0 BP/Sand PBTD: 5392'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4302-4310'	4/32			
DS3 sds NEW	4718-4728'	4/40			
D sds	4762-4781'	8 holes			
D sds	4827-4836'	6 holes			
A1 sds NEW	5210-5216'	4/24			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 13, 2003SITP: 0 SICP: 0

Con't TOH & talley production tbg f/ 976'--LD BHA. Talley, PU & TIH W/ 2 7/8 NC, 5 1/2" casing scraper & 2 7/8 8rd 6.5# N-80 tbg. Tag fill @ 5190'. Establish reverse circulation W/ 40 BW. C/O to 5392'. Circ hole clean. Lost add'l 10 BW. TOH W/ tbg--LD NC & scraper. RU Patterson WLT & perf new intervals W/ 4" ported guns as follows: stage #1: A1 sds @ 5210-16' and stage #2: DS3 sds @ 4718-28'. All 4 JSPF in 1 run total. RD WLT. SIFN W/ est 217 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 167 Starting oil rec to date: 0  
Fluid lost/recovered today: 50 Oil lost/recovered today: 0  
Ending fluid to be recovered: 217 Cum oil recovered: 0  
IFL:      FFL:      FTP:      Choke:      Final Fluid Rate:      Final oil cut:     

## TUBING DETAIL

## AS PULLED:

KB 10.00'  
150 2 7/8 J-55 tbg  
TA @ 4821'  
1 2 7/8 J-55 tbg  
SN @ 4855'  
1 2 7/8 J-55 tbg  
2 7/8 NC @ 4884'

## ROD DETAIL

## AS PULLED:

1 1/2" X 22' polished rod  
1-2' & 2-6' X 3/4" pony rods  
40-3/4" scraped rods  
142-3/4" plain rods  
10-3/4" scraped rods  
1-1 1/2" weight rod  
2 1/2" X 1 1/2" X 16' RHAC pmp

## COSTS

Pool rig	\$2,839
Weatherford BOP	\$130
Patterson - perfs	\$2,503
IPC supervision	\$300

Workover Supervisor: Gary Dietz

DAILY COST: \$5,772  
TOTAL WELL COST: \$13,480



Attachment G-1  
6 of 10

### DAILY WORKOVER REPORT

WELL NAME: Monument Federal 11-9-9-16

Report Date: July 15, 2003

Day: 03

Operation: Re-complete

Rig: Pool #820

#### WELL STATUS

Surf Csg: 8 5/8 @ 298' Prod Csg: 5 1/2 @ 5867' WT: 15.5# Csg PBTD: 5822'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 5137' BP/Sand PBTD: 5392'  
BP/Sand PBTD: 5270'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	<u>4302-4310'</u>	<u>4/32</u>			
DS3 sds	<u>NEW 4718-4728'</u>	<u>4/40</u>			
D sds	<u>4762-4781'</u>	<u>8 holes</u>			
D sds	<u>4827-4836'</u>	<u>6 holes</u>			
A1 sds	<u>NEW 5210-5216'</u>	<u>4/24</u>			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: July 15, 2003

SITP:            SICP: 0

##### Day 3(a):

TIH W/ Weatherford 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 2 7/8 N-80 tbg. Set plug @ 5270' & pkr elements @ 5137' (EOT @ 5147'). Fill & hold annulus full during frac (used 35 BW). RU BJ Services to tbg and frac A1 sds (5210-16') W/ 23,892# 20/40 sand in 215 bbls Viking I-25 fluid. Perfs broke down @ 5995 psi. Treated @ ave press of 3370 psi W/ ave rate of 14.7 BPM. ISIP-2200 psi. RD BJ. Begin immediate flowback of frac on 12/64 choke @ 1 BPM. Zone flowed 1/2 hrs & died. Rec 22 BTF (est10% of frac load). Fill & pressure up on annulus. Open bypass on pkr & rev circ tbg clean. Release pkr & TIH W/ tbg. Tag sd @ 5265'. C/O sd to RBP @ 5270'. Circ hole clean. Lost est 13 BW. Release plug. Est 384 BWTR.

See day 3(b)

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 217 Starting oil rec to date: 0  
Fluid lost/recovered today: 167 Oil lost/recovered today:             
Ending fluid to be recovered: 384 Cum oil recovered: 0  
IFL:            FFL:            FTP:            Choke:            Final Fluid Rate:            Final oil cut:           

#### STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: A1 sands

**\*\*PUMPED DOWN 2 7/8 N-80 TUBING\*\***

2500 gals of pad

1915 gals W/ 1-4 ppg of 20/40 sand

3357 gals W/ 4-6.5 ppg of 20/40 sand

Flush W/ 1260 gals of slick water

#### COSTS

Pool rig	<u>\$1,214</u>
Weatherford BOP	<u>\$130</u>
Weatherford tools/serv	<u>\$2,550</u>
Betts frac wtr	<u>\$1,100</u>
Zubiate HO (frac wtr)	<u>\$480</u>
BJ Services - A1 sds	<u>\$16,002</u>
IPC frac valve	<u>\$300</u>
IPC supervision	<u>\$150</u>

Max TP: 4835 Max Rate: 14.8 BPM Total fluid pmpd: 215 bbls

Avg TP: 3370 Avg Rate: 14.7 BPM Total Prop pmpd: 23,892#

ISIP: 2200 5 min:            10 min:            FG: .86

Workover Supervisor: Gary Dietz

DAILY COST: \$21,926

TOTAL WELL COST: \$35,406

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Attachment G-1  
7 of 10

## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 11-9-9-16Report Date: July 15, 2003Day: 03Operation: Re-completeRig: Pool #820

## WELL STATUS

Surf Csg: 8 5/8 @ 298' Prod Csg: 5 1/2 @ 5867' WT: 15.5# Csg PBTD: 5822'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: BP/Sand PBTD: 5392'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	<u>4302-4310'</u>	<u>4/32</u>			
DS3 sds <u>NEW</u>	<u>4718-4728'</u>	<u>4/40</u>			
D sds	<u>4762-4781'</u>	<u>8 holes</u>			
D sds	<u>4827-4836'</u>	<u>6 holes</u>			
A1 sds <u>NEW</u>	<u>5210-5216'</u>	<u>4/24</u>			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 15, 2003SITP: 0 SICP: 0

## Day 3(b):

Pull tbg & tools uphole. Set plug @ 4750' & pkr elements @ 4652' (EOT @ 4662'). Fill & hold annulus full during frac (used 10 BW). RU BJ Services to tbg and frac DS3 sds (4718-28') W/ 25,000# 20/40 sand in 200 bbls Viking I-25 fluid. Perfs broke down @ 4720 psi. Treated @ ave press of 3880 psi W/ ave rate of 14.7 BPM. ISIP-3960 psi. RD BJ. Begin immediate flowback of frac on 12/64 choke @ 1 BPM. Zone flowed 1 hrs & died. Rec 13 BTF (est 7% of frac load). Fill & pressure up on annulus. Open bypass on pkr & rev circ tbg clean. Release pkr & TIH W/ tbg. Tag sd @ 4710'. C/O sd to RBP @ 4750'. Circ hole clean. Lost est 12 BW. Release plug. TOH W/ tbg, pkr & plug. TIH W/ pinned NC & 46 jts tbg. EOT @ 1325'. SWIFN. EBWTR 593.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 384 Starting oil rec to date: 0  
Fluid lost/recovered today: 209 Oil lost/recovered today: 0  
Ending fluid to be recovered: 593 Cum oil recovered: 0  
IFL: 0 FFL: 0 FTP: 0 Choke: 12/64 Final Fluid Rate: 0 Final oil cut: 0

## STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac  
Company: BJ Services  
Procedure or Equipment detail: DS3 sands

## \*\*PUMPED DOWN 2 7/8 N-80 TUBING\*\*

2500 gals of pad  
1915 gals W/ 1-4 ppg of 20/40 sand  
2831 gals W/ 4-6.5 ppg of 20/40 sand  
Flush W/ 1134 gals of slick water

## COSTS

Pool rig	\$1,400
IPC frac valve	\$300
Tiger tks (6 days)	\$720
Betts frac wtr	\$1,000
Zubiate HO (frac wtr)	\$480
BJ Services - DS3 sds	\$6,842
IPC supervision	\$150

Max TP: 5556 Max Rate: 14.7 BPM Total fluid pmpd: 200 bbls  
Avg TP: 3880 Avg Rate: 14.7 BPM Total Prop pmpd: 25,000#  
ISIP: 3960 5 min: 10 min: FG: 1.3  
Workover Supervisor: Gary Dietz

DAILY COST: \$10,892  
TOTAL WELL COST: \$46,298





Attachment G-1  
8 of 10

### DAILY WORKOVER REPORT

WELL NAME: Monument Federal 11-9-9-16

Report Date: July 17, 2003

Day: 04

Operation: Re-complete

Rig: Pool #820

#### WELL STATUS

Surf Csg: 8 5/8 @ 298' Prod Csg: 5 1/2 @ 5867' WT: 15.5# Csg PBTD: 5822'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: BP/Sand PBTD: 5392'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	<u>4302-4310'</u>	<u>4/32</u>			
DS3 sds <u>NEW</u>	<u>4718-4728'</u>	<u>4/40</u>			
D sds	<u>4762-4781'</u>	<u>8 holes</u>			
D sds	<u>4827-4836'</u>	<u>6 holes</u>			
A1 sds <u>NEW</u>	<u>5210-5216'</u>	<u>4/24</u>			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: July 16, 2003

SITP:            SICP: 0

Continue TIH W/ bared NC & 126 jts tbg. Tag fill @ 5392'. C/O sand to 5515'. Circ well clean. POH W/ 10 jts tbg EOT @ 5198'. RU swab equipment. IFL @ sfc. Made 26 swab runs rec 180 BTF ( est 170 BW & 10 BO) W/ light gas & no sand. FFL @ 4750'. FOC @ 25%. SWIFN W/ est 422 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: <u>593</u>	Starting oil rec to date: <u>0</u>
Fluid lost/recovered today: <u>170</u>	Oil lost/recovered today: <u>10</u>
Ending fluid to be recovered: <u>422</u>	Cum oil recovered: <u>10</u>
IFL: <u>          </u> FFL: <u>          </u> FTP: <u>          </u>	Choke: <u>          </u> Final Fluid Rate: <u>          </u> Final oil cut: <u>25%</u>

#### STIMULATION DETAIL

Base Fluid used:            Job Type:             
Company:             
Procedure or Equipment detail:           

#### COSTS

Pool rig	\$2,649
Weatherford BOP's	\$130
IPC supervision	\$300

Max TP:            Max Rate:            Total fluid pmpd:             
Avg TP:            Avg Rate:            Total Prop pmpd:             
ISIP:            5 min:            10 min:            FG:             
Workover Supervisor: Ray Herrera

DAILY COST: \$3,079  
TOTAL WELL COST: \$49,377



Attachment G-1  
9 of 10

### DAILY WORKOVER REPORT

WELL NAME: Monument Federal 11-9-9-16

Report Date: July 18, 2003

Day: 05

Operation: Re-complete

Rig: Pool #820

#### WELL STATUS

Surf Csg: 8 5/8 @ 298' Prod Csg: 5 1/2 @ 5867' WT: 15.5# Csg PBTD: 5822'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 5299' BP/Sand PBTD: 5515'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4302-4310'	4/32			
DS3 sds NEW	4718-4728'	4/40			
D sds	4762-4781'	8 holes			
D sds	4827-4836'	6 holes			
A1 sds NEW	5210-5216'	4/24			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: July 17, 2003

SITP: 80 SICP: 150

RD swab equipment. TIH W/ tbg tag fill @ 5515' ( no new fill). Circ well clean lost 110 BW during clean out. TOH laying down 171 jts 2 7/8" N-80 tbg & pinned NC. TIH W/ production tbg as follows: 2 7/8" NC, 2 jts tbg, new SN, 1 jt tbg, repaired Randy's 5 1/2" TA (45K) & 162 jts 2 7/8 8rd 6.5# J-55 tbg. Btm 13 jts above SN are used/inspected blue & yellow band tbg. ND BOP's. Set TA @ 5203' W/ SN @ 5228' & EOT @ 5299'. Land tbg W/ 14,000# tension. NU well head. SWIFN. Est 532 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered:	<u>422</u>	Starting oil rec to date:	<u>10</u>
Fluid lost/recovered today:	<u>110</u>	Oil lost/recovered today:	<u>0</u>
Ending fluid to be recovered:	<u>532</u>	Cum oil recovered:	<u>10</u>
IFL: _____ FFL: _____ FTP: _____		Choke: _____ Final Fluid Rate: _____	Final oil cut: _____

#### TUBING DETAIL

#### ROD DETAIL

#### COSTS

KB 10.00'		Pool rig	\$2,805
162 2 7/8 J-55 tbg (5193.04')		Weatherford BOP's	\$130
TA (2.75' @ 5203.04' KB )		IPC supervision	\$300
1 2 7/8 J-55 tbg (32.30' )		RNI wtr disposal	\$400
SN (1.10' @ 5229.19' KB		Randy's SN	\$70
2 2 7/8 J-55 tbg ( 59.70' )		IPC fuel frac wtr	\$150
2 7/8 NC (.40 )		Betts frac bottoms	\$300
EOT 5299.29' W/ KB			

Workover Supervisor: Ray Herrera

DAILY COST: \$4,155  
TOTAL WELL COST: \$53,532

Attachment G-1  
10 of 10

## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 11-9-9-16Report Date: July 19, 2003Day: 06Operation: Re-completeRig: Pool #820

## WELL STATUS

Surf Csg: 8 5/8 @ 298' Prod Csg: 5 1/2 @ 5867' WT: 15.5# Csg PBTD: 5822'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 5299' BP/Sand PBTD: 5515'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4302-4310'	4/32			
DS3 sds NEW	4718-4728'	4/40			
D sds	4762-4781'	8 holes			
D sds	4827-4836'	6 holes			
A1 sds NEW	5210-5216'	4/24			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 18, 2003

SITP: \_\_\_\_\_ SICP: \_\_\_\_\_

TIH W/ pump & revised rod string as follows: repaired Randy's 2 1/2" x 1 1/2" x 14' RHAC pump, 6 -1 1/2" weight rods, 10 -3/4" scraped rods, 102 -3/4" plain rods, 91 -3/4" scraped rods, (top 51 scraped rods "B" grade), 1 -2" x 3/4" pony rod, 1 1/2" x 22' polished rod. Seat pump & RU unit. Fill tbg W/ 10 BW. Pressure test pump & tbg to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 542 BWTR.

Place well on production @ 1:00 pm 7/18/2003 W/ 83" SL @ 5 SPM.

FINAL REPORT.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 532 Starting oil rec to date: 10  
Fluid lost/recovered today: 10 Oil lost/recovered today: 0  
Ending fluid to be recovered: 542 Cum oil recovered: 10  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## TUBING DETAIL

KB 10.00'  
162 2 7/8 J-55 tbg (5193.04'  
TA (2.75' @ 5203.04' KB )  
1 2 7/8 J-55 tbg (32.30' )  
SN (1.10' @ 5229.19' KB  
2 2 7/8 J-55 tbg ( 59.70' )  
2 7/8 NC (.40 )  
EOT 5299.29' W/ KB

## ROD DETAIL

1 1/2" x 22' polished rod  
1- 2 x 3/4" pony rod  
91 -3/4" scraped rods  
102 -3/4" plain rods  
10- 3/4" scraped rods  
6 -1 1/2" weight rods  
Randy's 2 1/2" x 1 1/2" x 14'  
RHAC pump W/ SM plunger

## COSTS

Pool rig	\$1,626
Zubiate HO trk	\$477
IPC supervision	\$300
RNI wtr disposal	\$400
IPC swb tks (2x6 dys	\$240
Mt West sanitation	\$400
IPC location cleanup	\$300
IPC trucking	\$200
(51 new guided) rods	\$2,550

Workover Supervisor: Ray Herrera

DAILY COST: \$6,493  
TOTAL WELL COST: \$61,216

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4252'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 176' balance plug using 22 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Perforate 4 JSPF @ 348'
6. Plug #4 Circulate 97 sx Class "G" Cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus

The approximate cost to plug and abandon this well is \$59,344.

## Monument Federal #11-9-9-16

Spud Date: 3/20/96  
 Put on Production: 3/29/96  
 GL: 5756' KB: 5766' (10' KB)

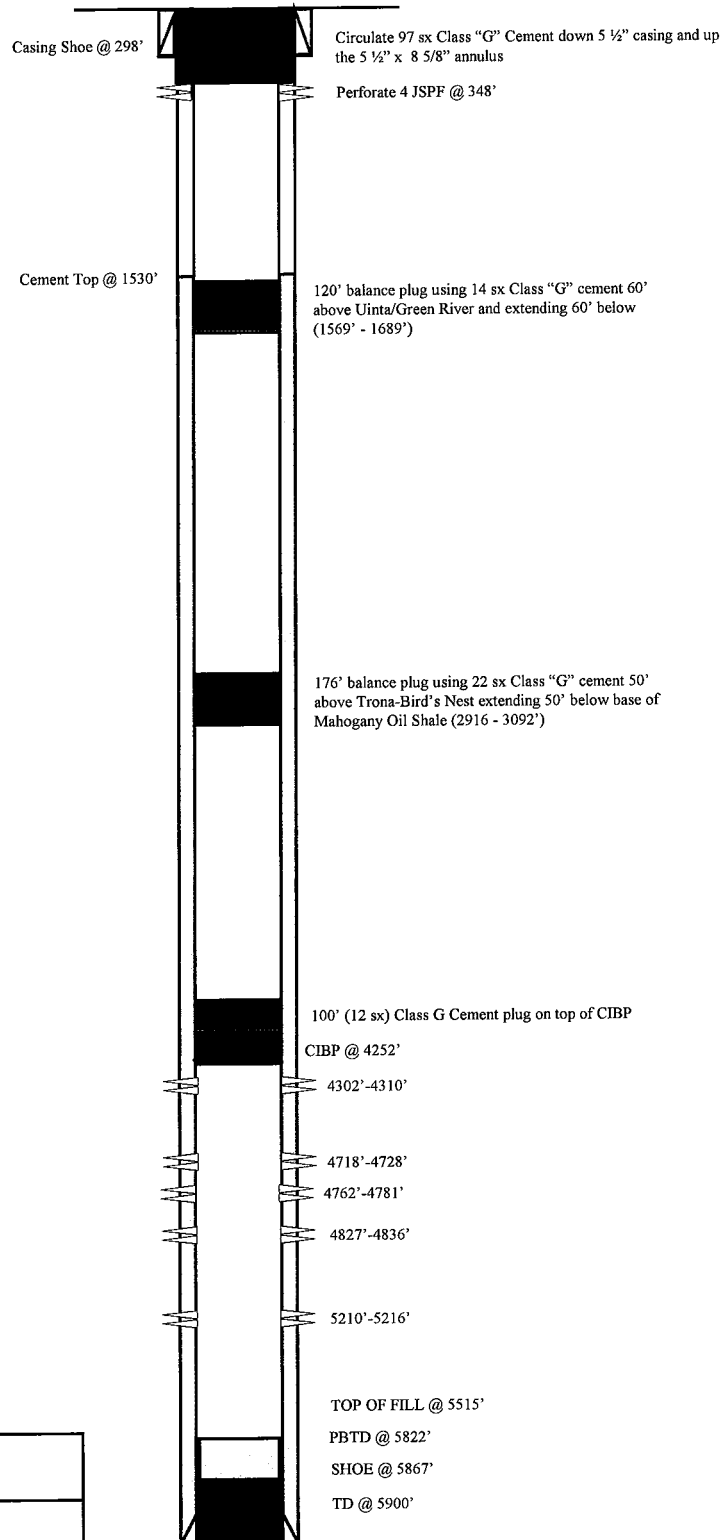
Initial Production: 113 BOPD, 0 MCFD  
 18 BWPD

Proposed P & A  
Wellbore DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 JTS - 288'  
 DEPTH LANDED: 298' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts. (5856.70')  
 SET AT: 5866.7' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 265 sxs Super "G", 348 sxs 50/50 poz.  
 CEMENT TOP AT: 1530' KB

**NEWFIELD****Monument Federal #11-9-9-16**

674 FNL &amp; 668 FWL

NWNW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-31618; Lease #UTU-020254

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-366

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Monument Federal 11-9-9-16 well located in NW/4 NW/4, Section 9, Township 9 South, Range 16 East  
C & O Govt 2 well located in NW/4 SE/4, Section 12, Township 9 South, Range 16 East  
Jonah Federal 9-12-9-16 well located in NE/4 SE/4, Section 12, Township 9 South, Range 16 East  
Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East  
Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East  
Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East  
Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East  
Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East  
Castle Peak Federal 42-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 8<sup>th</sup> day of July, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**MONUMENT FEDERAL 11-9-9-16, C & O GOVT 2,  
JONAH FEDERAL 9-12-9-16, JONAH FEDERAL 16-12-9-16,  
JONAH 6-14-9-16, JONAH FEDERAL 12-14-9-16,  
JONAH FEDERAL 14-14-9-16, WALTON FEDERAL 2,  
CASTLE PEAK FEDERAL 42-15.**

**Cause No. UIC-366**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

  
\_\_\_\_\_

**Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-366**

---

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "'Jean Sweet'" <jsweet@utah.gov>  
**Date:** 7/8/2010 3:57 PM  
**Subject:** RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-366

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Ad #596935 is scheduled to run July 13th in Salt Lake Tribune, Deseret News and on the website utahlegals.com .

Total charge is \$233.48. Please check the ad in the papers.

Thank you,

Lynn Valdez  
MediaOne of Utah,  
a Newspaper Agency Company  
4770 South 5600 West  
West Valley City, Utah 84118  
Ph.: 801-204-6245  
Email: [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

---

**From:** Jean Sweet [mailto:[jsweet@utah.gov](mailto:jsweet@utah.gov)]  
**Sent:** Thursday, July 08, 2010 3:11 PM  
**To:** [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)  
**Subject:** Notice of Agency Action – Newfield Production Company Cause No. UIC-366

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)





GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

July 8, 2010

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-366

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**NOTICE OF AGENCY ACTION CAUSE NO. UIC-366**

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE  
APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16  
EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Monument Federal 11-9-9-16 well located in NW/4 NW/4, Section 9, Township 9 South, Range 16 East

C & O Govt 2 well located in NW/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 9-12-9-16 well located in NE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East

Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East

Castle Peak Federal 42-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 8th day of July, 2010.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

/s/

Brad Hill

Permitting Manager

Published in the Uintah Basin Standard July 13, 2010.



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

July 8, 2010

Via e-mail: [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-366

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Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED.TAX I.D.# 87-0217663

The Salt Lake Tribune

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Deseret News

WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	7/14/2010

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE		ADORDER# / INVOICE NUMBER	
8015385340		0000596935 /	
SCHEDULE			
Start 07/13/2010		End 07/13/2010	
CUST. REF. NO.			
Cause # UIC-366			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINI			
SIZE			
68 Lines		2.00 COLUMN	
TIMES		RATE	
4			
MISC. CHARGES		AD CHARGES	
		TOTAL COST	
		233.48	

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINI** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 07/13/2010 End 07/13/2010

SIGNATURE

DATE

7/14/2010

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-366

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Dated this 8th day of July, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Brad Hill  
Permitting Manager

596935 UPAXLP

VIRGINIA CRAFT  
Notary Public, State of Utah  
Commission # 581469  
My Commission Expires  
January 12, 2014

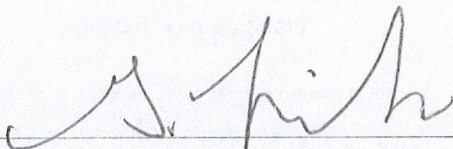
Virginia Craft



# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Geoff Liesik on oath, say that I am the EDITOR of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 13 day of July, 20 10, and that the last publication of such notice was in the issue of such newspaper dated the 13 day of July, 20 10, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

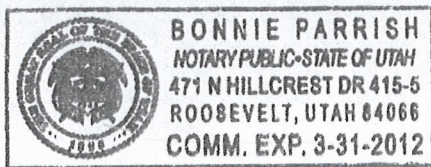


Editor

Subscribed and sworn to before me this

13 day of July, 20 10  
Bonnie Parrish

Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-366

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH  
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Dated this 8th day of July, 2010.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

/s/

Brad Hill

Permitting Manager

Published in the Uintah  
Basin Standard July 13,  
2010.



Send Payments to:  
268 S 200 E  
Roosevelt, Utah 84066  
Phone: 435-722-5131  
Fax: 435-722-4140  
www.ubstandard.com  
www.vernal.com

Rose Norton  
DIVISION OF OIL GAS & MINING  
1594 W. N. TEMPLE STE 121  
PO BOX 145801  
SALT LAKE CITY, UT 84114-5801

RECEIVED  
JUL 15 2010  
DIV. OF OIL, GAS & MINING

Invoice Number	2681	Invoice Date	7/13/2010
Advertiser No.	2080	Invoice Amount	\$119.20
		Due Date	8/12/2010

12 → 08  
NEW YEAR

Copy

1 1/2% fee will be charged to all past due balances.

Amount Enclosed

Please detach top portion and return with your payment.

### INVOICE

Utah Basin Standard			DIVISION OF OIL GAS & MINING		Invoice No. 2681		7/13/2010
Date	Order	Publications	Description	Ad Size	Sales Tax	Amount	
7/13/2010	1510	1	Notice of Agency Action Cause No. UIC-366 Ran July 13, 2010 Utah Basin Standard		\$0.00	\$119.20	
Total Transactions:					1	\$0.00	\$119.20

### SUMMARY

Advertiser No. 2080

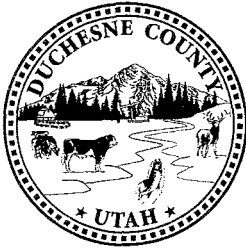
Invoice No. 2681

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

2250/REB/GG UIC ADM/GF 10/6131



*Duchesne County Planning, Zoning  
& Community Development  
734 North Center Street  
P.O. Box 317  
Duchesne, Utah 84021  
(435) 738-1152  
Fax (435) 738-5522*

RECEIVED

JUL 19 2010

DIV. OF OIL, GAS & MINING

July 15, 2010

Mr. Brad Hill, Permitting Manager  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Newfield Production Company Injection Wells (Cause No UIC-366)

Dear Mr. Hill:

We are in receipt of your notice regarding Newfield Production Company's request to convert nine wells, located in Sections 9, 12, 14 and 15, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

A handwritten signature in cursive script that reads "Mike Hyde".

Mike Hyde, AICP  
Community Development Administrator

pc: Mike Guinn, Newfield Production Company, Rt. 3, Box 3630, Myton, UT 84052





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 11, 2010

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Monument Federal 11-9-9-16, Section 9, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-31618

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

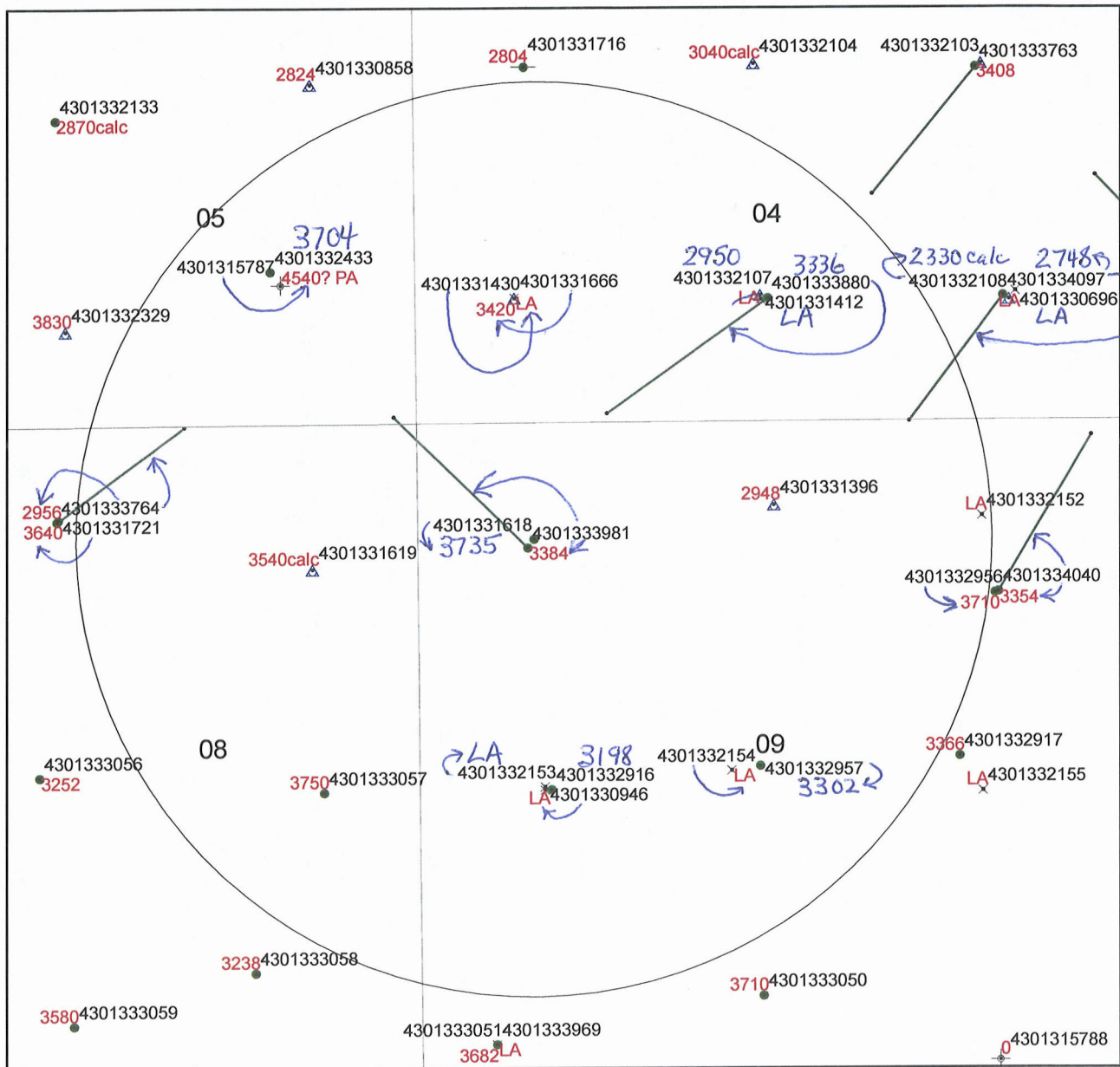
A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

Don Staley  
Acting Associate Director

DTS/MLR/js  
cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File  
N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





# MONUMENT FEDERAL 11-9-9-16 API #43-013-31618 UIC-366.8

## Legend

- Buffer\_of\_SGID93\_ENERGY\_DNROilGasWells\_9
- Wells-CbitopsMaster8\_10\_10
- GAS INJECTION
- TW
- TA
- OPS
- GS
- APD
- PA
- LA
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING
- RETURNED GAS
- RETURNED OIL
- GAS INJECTION SI
- WATER DISP. SUSP.
- WATER INJ. SUSP.
- county-lines
- Sections
- SGID93\_ENERGY\_DNROilGasWells\_HDPath

0 0.32 Miles

1870calc = approx cement top calculated from well completion report



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Monument Federal 11-9-9-16

**Location:** 9/9S/16E      **API:** 43-013-31618

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and leaseholders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 298 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,869 feet. A cement bond log demonstrates adequate bond in this well up to 3,735 feet. A 2 7/8 inch tubing with a packer will be set at 4,252 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, there are 8 producing wells, 3 injection wells, and 1 P/A well in the AOR. Additionally, there are 2 producing wells, which have surface locations outside the AOR but are directionally drilled to bottom hole locations inside the AOR. All of the wells have evidence of adequate casing and cement. Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 1500 feet. Injection shall be limited to the interval between 4,071 feet and 5,822 feet in the Green River Formation. The plugged and abandoned Castle Peak 9R well (API # 43-013-15787) is located about 0.4 mile northwest of the Monument Federal 11-9-9-16 well. The cement bond log for Castle Peak 9R indicates a cement top at about 4,540 feet. However, inasmuch as the Castle Peak 9R well has been properly plugged, it should pose no problem for the permitting the Monument Federal 11-9-9-16 well for injection at the requested interval. Information submitted by Newfield indicates that the fracture gradient for the 11-9-9-16 well is 0.86 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,166 psig. The requested maximum pressure is 2,166 psig. We intend to permit this well at a maximum pressure of 2,000 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any groundwater present should be adequately protected.

**Monument Federal 11-9-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date 8/10/2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-020254			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> MON FED 11-9-9-16				
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013316180000				
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0674 FNL 0668 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 09 Township: 09.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH				
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/18/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <span style="border: 1px solid black; padding: 2px;">Put on Injection</span> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">Put on Injection</span>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">Put on Injection</span>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS.</b> Clearly show all pertinent details including dates, depths, volumes, etc. The above reference well was put on injection at 9:45 am on 11/18/2011.					
Approved by the Utah Division of Oil, Gas and Mining  Date: 12/05/2011 By:					
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician			
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/18/2011				



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

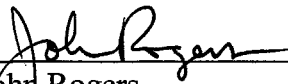
Cause No. UIC-366

**Operator:** Newfield Production Company  
**Well:** Monument Federal 11-9-9-16  
**Location:** Section 9, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31618  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 11, 2010.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,071' – 5,822')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

5/19/2011

Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-020254
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: MON FED 11-9-16
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 674 FNL 668 FWL		9. API NUMBER: 4301331618
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 9, T9S, R16E		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 05/04/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 04/29/2011.

On 05/02/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/04/2011 the casing was pressured up to 1275 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 80 psig during the test. There was not a State representative available to witness the test.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Water Services Technician

SIGNATURE

DATE 05/17/2011

(This space for State use only)

**RECEIVED**

**MAY 19 2011**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

674 FNL 668 FWL

NWNW Section 9 T9S R16E

5. Lease Serial No.

USA UTU-020254

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

MON FED 11-9-9-16

9. API Well No.

4301331618

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Change Status _____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The subject well has been converted from a producing oil well to an injection well on 04/29/2011.

On 05/02/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/04/2011 the casing was pressured up to 1275 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 80 psig during the test. There was not a State representative available to witness the test.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lucy Chavez-Naunoto

Signature

Title

Water Services Technician

Date

05/17/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**MAY 19 2011**

**DIV. OF OIL, GAS & MINING**



# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 5-14-11 Time 1:00 am pm

Test Conducted by: Jared Robinson

Others Present: \_\_\_\_\_

Well: Monument Federal 11-9-9-16

Field: Monument Butte

Well Location: NW/NW Sec. 9-T9S R16E  
Duchesne, County Utah

API No: 43-013-31618

## Time

## Casing Pressure

0 min	<u>1275</u>	psig
5	<u>1275</u>	psig
10	<u>1275</u>	psig
15	<u>1275</u>	psig
20	<u>1275</u>	psig
25	<u>1275</u>	psig
30 min	<u>1275</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 80 psig

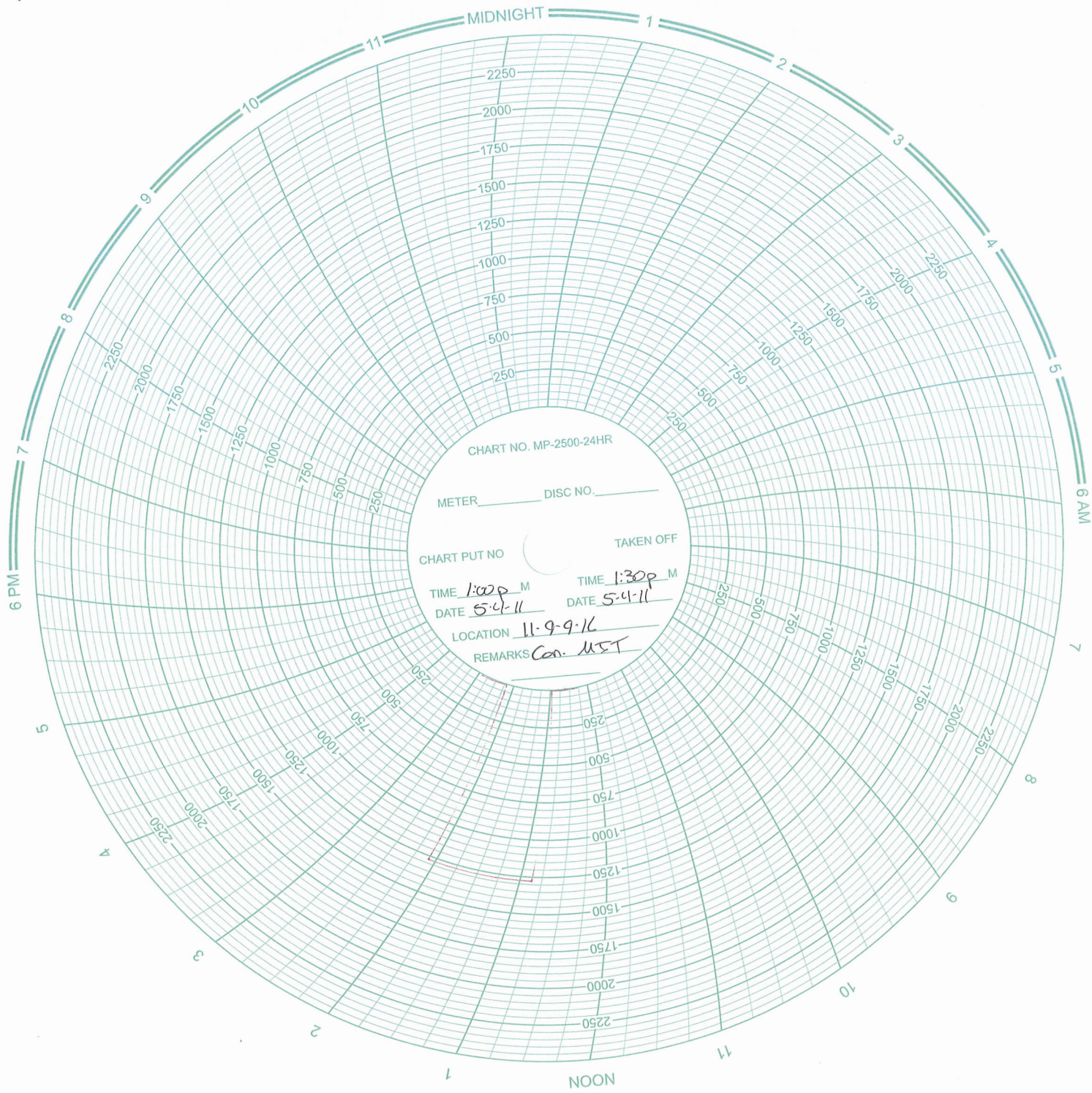
Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: \_\_\_\_\_



## Daily Activity Report

Format For Sundry

**MON 11-9-9-16**

**2/1/2011 To 6/30/2011**

**5/2/2011 Day: 1**

**Conversion**

WWS #7 on 5/2/2011 - MIRU WWS #7. Unseat rod pump. Flush/ Presssure test. LD rods. NU BOP. TOH w/ tbg, Breaking each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 80 jts. SIFN. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 32 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 133 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 20 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4265', CE @ 4268' & EOT @ 4272'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Watch pressure for 1 hour with no pressure lose. RDMOSU. Ready for MIT. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 32 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 133 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 20 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4265', CE @ 4268' & EOT @ 4272'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Watch pressure for 1 hour with no pressure lose. RDMOSU. Ready for MIT. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 10 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods once more on TOH. ND wellhead & release TA @ 5193'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 80 jts. SIFN. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 10 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods once more on TOH. ND wellhead & release TA @ 5193'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 80 jts. SIFN. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 10 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods once more on TOH. ND wellhead & release TA @ 5193'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 80 jts. SIFN. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 10 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods once more on TOH. ND wellhead & release TA @ 5193'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 80 jts. SIFN. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 32 jts & BHA. MU & TIH W/ new

Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 133 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 20 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4265', CE @ 4268' & EOT @ 4272'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Watch pressure for 1 hour with no pressure lose. RDMOSU. Ready for MIT. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 32 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 133 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 20 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4265', CE @ 4268' & EOT @ 4272'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Watch pressure for 1 hour with no pressure lose. RDMOSU. Ready for MIT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$6,350

---

**5/11/2011 Day: 3****Conversion**

Rigless on 5/11/2011 - Conversion MIT - On 5/2/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the conversion MIT on the above listed well (Monument 11-9-9-16). On 5/4/2011 the csg was pressured up to 1275 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test The tbg pressure was 80 psig during the test. There was not a State representative available to witness the test. Final Report API# 43-013-31618 - On 5/2/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the conversion MIT on the above listed well (Monument 11-9-9-16). On 5/4/2011 the csg was pressured up to 1275 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test The tbg pressure was 80 psig during the test. There was not a State representative available to witness the test. Final Report API# 43-013-31618 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$35,923

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**Pertinent Files: Go to File List**



Spud Date: 3/20/96  
 Put on Production: 3/29/96  
 GL: 5756' KB: 5766' (10' KB)

# Monument Federal 11-9-9-16

Initial Production: 113 BOPD,  
 0 MCFD 18 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 JTS - 288'  
 DEPTH LANDED: 298' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

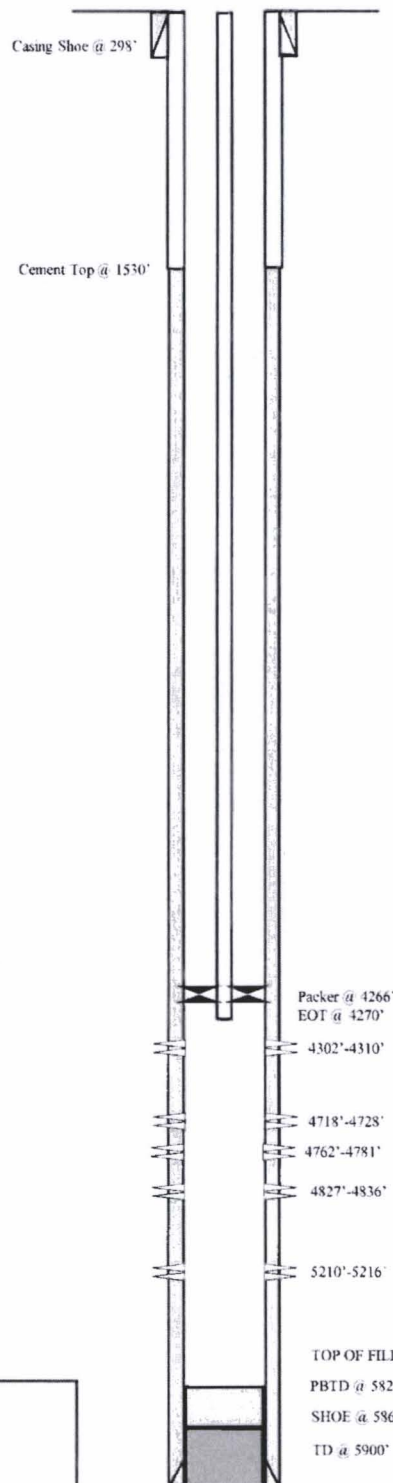
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts. (5856.70')  
 SET AT: 5866.7' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 265 sxs Super "G", 348 sxs 50/50 poz.  
 CEMENT TOP AT: 1530' KB

## TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 133 jts. (4252')  
 SEATING NIPPLE: 1.10'  
 SN LANDED AT: 4262' KB  
 CE @ 4266.36'  
 TOTAL STRING LENGTH: EOT @ 4270' KB

## Injection Wellbore Diagram



## FRAC JOB

4/01/96 4762'-4836' Frac sand as follows:  
 110,000# 16/30 sand in 790 bbl 2% frac fluid  
 ATP 3800 psi, ATR 35.5 bpm, ISIP 3500 psi.  
 Calc. Flush: 4762 gal. Actual flush: 4704 gal

4/04/96 4302'-4310' Frac sand as follows:  
 50,090# 16/30 sand in 402 bbl 2% frac fluid.  
 ATP 3600 psi, ATR 31.6 bpm, ISIP 2450 psi.  
 Calc. Flush: 4302 gal. Actual flush: 4242 gal

8/27/99 Pump change. Update rod and tubing details

7/15/03 5210'-5216' Frac A1 sands as follows:  
 23,892# of 20/40 sand in 215 bbls Viking 1-  
 25 fluid. Treated @ avg press. Of 3370 w/avg  
 rate of 14.7 bpm. ISIP 2200 psi. Calc flush:  
 1362 gal. Actual flush: 1260 gals.

7/15/03 4718'-4728' Frac DS3 sands as follow:  
 25,000# of 20/40 sand in 200 bbls Viking 1-  
 25 fluid. Treated @ avg press of 3880 psi  
 w/avg rate of 14.7 bpm. ISIP 3960 psi. Calc  
 flush: 1233 gal. Actual flush: 1134 gal

04/27/05 Pump change. Update rod and tubing detail.

10/12/2010 Parted rods. Updated rod and tubing detail.

4/29/11 Convert to Injection well

5/4/11 Conversion MIT Finalized

## PERFORATION RECORD

4302'-4310'	4 JSPF	32 holes
4718'-4728'	4 JSPF	40 holes
4762'-4781'		8 holes
4827'-4836'		6 holes
5210'-5216'	4 JSPF	24 holes

**NEWFIELD**

**Monument Federal 11-9-9-16**

674 FNL & 668 FWL

NWNW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-31618; Lease #UTU-020254

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-020254
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON FED 11-9-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0674 FNL 0668 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 09 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013316180000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/7/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  On 04/04/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 04/07/2016 the casing was pressured up to 1080 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1636 psig during the test. There was a State representative available to witness the test - Amy Doebele.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> April 11, 2016		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/8/2016	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Amy Doebeke Date 4/7/16 Time 10:28 am pm

Test Conducted by: Michael Jensen

Others Present: Karl Sampson

Well: Monument Federal 11-9-9-16

Field: Monument Butte

Well Location: NW/NE Sec. 9, T9S, R16E API No: 43-013-31618

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1650</u>	psig
5	<u>1075</u>	psig
10	<u>1080</u>	psig
15	<u>1080</u>	psig
20	<u>1080</u>	psig
25	<u>1080</u>	psig
30 min	<u>1080</u>	psig
35	<u>1080</u>	psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1636 psig

Result: Pass Fail

Signature of Witness:

Amy Doebeke

Signature of Person Conducting Test:

Michael Jensen



Sundry Number: 71000 API Well Number: 43013316180000

